

STONE

The group of stone industries in 1939, including commercial operations producing or preparing to produce crushed and broken stone and rough-dimension stone of all kinds, and including contractors performing general services for the stone industries, reported products and services valued at \$117,311,000, and engaged 41,512 persons. These industries accounted for 3 percent of the value reported for all mineral industries and 5 percent of the total number of persons engaged. The 1,547 companies (including 20 contracting concerns) in the stone group operated 1,934 quarries and mines and 1,374 preparation plants. Producing operations were located in 773 counties in 45 States.

The stone industries paid \$37,776,000 in wages to an average of 37,462 wage earners and \$7,002,000 in salaries to 3,175 salaried employees. Expenditures for supplies and materials amounted to \$17,025,000; for fuel, \$4,793,000; for electric energy purchased, \$5,535,000; and for work performed by other concerns, \$873,000. These reported expenses totaled \$73,003,000. The cost of new buildings, major alterations of existing structures, and machinery and equipment installed during the year amounted to \$6,785,000, of which \$5,514,000 was for machinery and equipment.

Operations producing principally crushed and broken stone accounted for 79 percent of the quarries and mines, 87 percent of the value of products, and 83 percent of the persons engaged at all stone operations; the remainders were accounted for by operations engaged principally in producing rough-dimension stone. The output of crushed and broken stone operations totaled 130,241,000 short tons valued at \$100,551,000, and that of rough-dimension stone operations, 3,751,000 tons valued at \$15,453,000.

Of the total output of crushed and broken stone operations, 83 percent was produced by the limestone industry, 8 percent by the basalt industry, 5 percent by the granite industry, 2 percent by the sandstone industry, less than one-half of 1 percent by the slate and marble industries, and the remaining 2 percent by operations classified in the miscellaneous stone industry. The limestone industry also accounted for the largest proportion, 35 percent, of the output of dimension-stone operations; 26 percent was produced by granite operations, 20 percent by sandstone operations, 10 percent by slate operations, 7 percent by marble operations, and 1 percent by basalt operations.

Operations producing crushed stone were active for production and development work the equivalent of 205 full days during the year; wage earners worked a total of 62,366,000 man-hours on active days, and 2,508,000 man-hours on inactive days. Dimension-stone operations were active an average of 210 days during the year; wage earners at these operations worked a total of 12,299,000 man-hours, of which more than 99 percent were worked on active days. The length of shifts averaged 8.1 hours at crushed and broken stone operations, and 8.0 hours at dimension-stone operations, ranging from 8.9 hours at dimension-basalt operations to 7.8 hours at dimension-

granite operations. At crushed and broken limestone operations, the length of shift averaged 8.1 hours.

Output per man-hour worked by wage earners averaged 2.1 short tons at crushed-stone operations, and 0.3 ton at dimension-stone operations. Tonnage produced per man-hour was 2.2 for crushed limestone, 2.4 for crushed basalt, 0.6 for dimension limestone, and 0.2 for dimension granite. The hourly earning of wage earners averaged 50 cents at both crushed and broken and dimension-stone operations, compared with the average of 75 cents for all mineral industries. Earnings ranged from 34 cents per hour at operations producing crushed and broken marble and 36 cents at dimension-basalt operations to 61 cents at crushed and broken basalt operations.

Horsepower rating of power equipment at all stone industries at the end of the year totaled 1,102,526, of which 45 percent represented prime movers and 54 percent represented electric motors driven by purchased energy. The bulk of the horsepower was reported at crushed-stone operations, with crushed and broken limestone operations accounting for 68 percent of the total horsepower reported for all stone industries. Horsepower of equipment per wage earner employed averaged 31.1 at crushed and broken stone operations and 21.3 at dimension-stone operations. The average for crushed and broken limestone operations was 30.9 horsepower; for crushed and broken basalt, 51.0; and for dimension marble, only 12.1.

Fuel consumed at stone operations included 15,121 tons of anthracite, 454,589 tons of bituminous coal, 333,881 barrels of fuel oil, 16,900,780 gallons of gasoline and kerosene, and 103,347,000 cubic feet of natural gas. Crushed and broken stone operations, principally limestone, accounted for the largest part of all types of fuels used. Electric energy consumed at all stone operations totaled 442,501,000 kilowatt-hours, of which 18 percent was generated by reporting operations and 82 percent was purchased.

CHANGES IN THE STONE INDUSTRIES

Tables showing principal statistics for the stone industries for as many previous census years as figures are available, are presented at the beginning of the separate reports for the limestone, granite, basalt, sandstone, slate, marble, and miscellaneous-stone industries. In general, the value of output of commercial stone increased to a peak in 1929. Peak employment in the stone industries was reached in 1909 and declined steadily afterwards. In the period of growth, output rose more rapidly than employment; in the period of decline, output decreased less rapidly than employment. Throughout all periods, the horsepower rating of equipment per wage earner employed increased steadily. The number of stone operations decreased sharply since the turn of the century. These trends indicate a continuous growth in output per man accompanied by concentration of production in fewer but larger operations, using more mechanical power per wage earner employed.

TABLE 1.—PRINCIPAL STATISTICS FOR THE STONE INDUSTRIES IN THE UNITED STATES, BY INDUSTRY: 1939¹

ITEM	PRODUCING OPERATIONS									
	All operations	Producing operations, total	Crushed and broken stone							
			Total	Limestone	Granite	Basalt	Sandstone	Slate	Marble	Miscellaneous stone
Number of operating companies ⁴ -----	1,547	1,522	1,184	911	59	97	60	6	6	60
Number of quarries and mines-----	1,954	1,929	1,533	1,192	79	116	68	11	6	61
Number of preparation plants-----	1,374	1,369	1,355	1,028	74	115	50	11	5	52
Quantity of stone produced (tons of 2,000 pounds)-----	133,991,959	133,991,959	130,240,936	108,436,772	6,500,177	9,801,339	2,522,789	308,268	34,815	2,636,776
Value of all products, total-----	\$117,310,945	\$117,033,887	\$101,580,955	\$77,146,807	\$7,029,966	\$9,632,305	\$2,929,905	\$2,137,272	\$176,672	\$2,527,948
Value of stone at quarries or mines-----	\$115,972,659	\$115,972,659	\$100,551,182	\$76,366,244	\$7,002,250	\$9,572,920	\$2,896,567	\$2,137,272	\$176,672	\$2,399,257
Value of secondary products, including electric energy sold-----	\$850,622	\$850,622	\$848,575	\$643,092	\$14,625	\$54,706	\$26,825	-----	-----	\$109,327
Amounts received or due for services performed for others-----	\$487,664	\$210,606	\$181,198	\$137,551	\$13,091	\$4,679	\$6,513	-----	-----	\$19,364
Number of persons engaged, total-----	41,512	41,302	34,350	27,055	2,354	2,198	1,246	450	80	967
Wage earners (average for the year)-----	37,462	37,287	30,937	24,482	2,100	1,886	1,134	407	70	658
Salaried employees-----	3,175	3,158	2,770	2,031	232	278	98	43	9	79
Proprietors and firm members-----	875	857	643	542	22	34	14	-----	1	30
Performing manual labor-----	379	369	258	214	10	11	6	-----	-----	17
Principal expenses designated below, total-----	\$73,005,277	\$72,697,549	\$63,349,230	\$48,543,722	\$4,342,899	\$5,394,779	\$2,027,141	\$1,420,458	\$98,801	\$1,521,430
Wages-----	\$37,775,756	\$37,590,784	\$31,491,597	\$24,905,301	\$1,782,305	\$2,452,274	\$1,083,678	\$426,334	\$43,522	\$800,183
Salaries-----	\$7,001,744	\$6,982,687	\$6,165,026	\$4,453,040	\$572,825	\$651,293	\$173,538	\$92,992	\$29,720	\$189,618
Supplies and materials-----	\$17,024,535	\$16,960,774	\$15,732,791	\$11,424,616	\$1,404,870	\$1,343,669	\$518,519	\$716,392	\$11,095	\$315,550
Fuel-----	\$4,793,440	\$4,756,181	\$4,309,160	\$3,404,355	\$222,727	\$412,643	\$123,341	\$39,405	\$6,032	\$100,657
Purchased electric energy-----	\$5,535,168	\$5,534,469	\$4,867,096	\$3,683,652	\$334,429	\$502,986	\$105,194	\$137,670	\$8,432	\$94,733
Contract work-----	\$872,654	\$872,654	\$785,560	\$874,758	\$25,743	\$51,914	\$22,771	\$7,665	-----	\$22,709
Cost of buildings, machinery, and equipment erected or installed during the year-----	\$6,784,577	\$6,574,817	\$5,201,329	\$5,027,060	\$335,045	\$521,153	\$92,024	\$24,370	\$2,450	\$199,207
Buildings-----	\$1,269,054	\$1,202,828	\$1,154,529	\$885,944	\$75,136	\$136,879	\$22,765	-----	-----	\$33,805
Machinery and equipment, total-----	\$5,514,095	\$5,371,989	\$5,046,800	\$4,141,136	\$259,909	\$384,274	\$69,259	\$24,370	\$2,450	\$165,402
Purchased in new condition-----	\$4,375,647	\$4,244,826	\$4,037,068	\$3,344,452	\$209,540	\$283,729	\$38,566	\$24,370	\$700	\$135,711
Purchased in used condition-----	\$1,138,448	\$1,127,163	\$1,009,732	\$796,684	\$50,369	\$100,545	\$30,693	-----	\$1,750	\$29,691
Number of man-shifts worked by wage earners-----	9,289,383	9,242,435	7,700,955	6,065,605	539,848	486,573	247,456	101,410	15,865	244,198
Number of man-hours worked by wage earners, total-----	75,041,756	74,665,144	62,366,457	48,901,227	4,574,520	4,000,900	1,990,193	802,657	128,931	1,970,229
Tons of stone produced per man-hour-----	1.79	1.79	2.09	2.22	1.42	2.45	1.27	0.38	0.27	1.34
On active days, total-----	72,387,278	72,042,043	59,858,902	46,891,133	4,454,995	3,725,104	1,944,731	778,521	121,531	1,945,087
At quarries and mines, total-----	57,538,624	57,224,999	45,259,218	36,025,470	3,192,802	2,620,081	1,580,521	283,675	107,914	1,438,755
Underground-----	4,488,531	4,488,531	3,822,846	3,676,695	-----	-----	72,016	8,514	-----	85,621
Open pits-----	49,014,363	48,903,618	37,970,434	29,296,615	3,077,633	2,440,215	1,464,744	232,195	106,378	1,352,654
Surface shops and yards-----	3,855,750	3,832,650	3,465,938	3,052,160	115,169	179,866	43,761	52,966	1,556	20,480
At preparation plants-----	14,817,044	14,817,044	14,599,684	10,865,663	1,262,193	1,103,023	364,210	484,846	13,417	506,332
On inactive days-----	2,654,478	2,623,101	2,507,555	2,010,094	119,325	277,796	45,462	24,136	5,800	25,142
Average number of equivalent full days operations were active-----	206	206	205	206	201	184	182	230	220	243
Average number of hours worked per shift-----	8.1	8.1	8.1	8.1	8.5	8.2	8.0	7.9	8.0	8.1
Average hourly earning of wage earners-----	\$0.50	\$0.50	\$0.50	\$0.51	\$0.39	\$0.51	\$0.54	\$0.55	\$0.34	\$0.41
Horsepower rating of power equipment, total-----	1,102,526	1,096,649	961,604	756,332	48,142	96,211	24,991	12,594	2,087	21,247
Per wage earner-----	29.4	29.4	31.1	30.9	22.9	51.0	22.0	30.9	29.8	24.8
Prime movers-----	515,248	514,914	461,840	373,969	21,531	40,162	13,958	720	1,161	10,339
Electric motors driven by purchased energy-----	581,973	581,735	499,764	382,363	26,611	56,049	11,033	11,874	926	10,908
Horsepower rating of electric motors driven by energy generated by reporting companies-----	107,515	107,485	99,705	92,679	2,450	3,924	502	-----	-----	150
Fuels consumed:-----										
Anthracite (tons of 2,000 pounds)-----	15,121	15,121	12,552	8,233	112	3,443	145	106	40	453
Bituminous coal (tons of 2,000 pounds)-----	454,589	454,589	396,598	358,233	10,329	16,218	5,487	4,457	1,210	664
Fuel oil (barrels of 42 gallons)-----	333,881	333,154	280,713	215,163	21,136	19,115	13,616	2,721	879	8,083
Gasoline and kerosene (gallons)-----	16,900,780	16,865,598	16,028,114	11,996,257	915,471	1,989,796	571,159	37,078	16,720	525,633
Natural gas (thousands of cubic feet)-----	103,347	103,347	93,372	90,622	-----	-----	2,750	-----	-----	-----
Electric energy consumed (thousands of kilowatt-hours), total-----	442,501	442,471	404,604	338,259	21,978	23,492	4,508	10,219	561	5,587
Purchased-----	364,069	364,042	328,284	264,113	20,746	22,582	4,460	10,219	561	5,583
Generated by reporting companies-----	78,432	78,429	76,340	74,146	1,232	910	48	-----	-----	4

¹ For explanation of operations included and terms used see footnotes to tables 2, 36, 66, 88, 118, 145, and 164.² See the General Contract Services report, table 2 for separate statistics for concerns engaged chiefly in work for the limestone, granite, and other stone industries.³ Represents 2 crushed and broken limestone quarries, 2 rough-dimension granite quarries, and 1 crushed and broken basalt quarry.⁴ Companies with more than one type of operation, or in more than one industry, are counted only once in the totals.⁵ Excludes expenditures by contractors for work performed by others.

TABLE 1.—PRINCIPAL STATISTICS FOR THE STONE INDUSTRIES IN THE UNITED STATES, BY INDUSTRY: 1939¹—Continued

ITEM	PRODUCING OPERATIONS—Continued							General contract services for the stone industries ²	Non-producing operations ³
	Rough-dimension stone								
	Total	Limestone	Granite	Basalt	Sandstone	Slate	Marble		
Number of operating companies ⁴	345	55	141	4	57	64	25	20	5
Number of quarries and mines.....	596	84	165	4	59	68	38	-----	5
Number of preparation plants.....	34	15	12	1	5	-----	3	-----	5
Quantity of stone produced (tons of 2,000 pounds).....	3,751,023	1,541,001	960,122	20,681	772,247	375,652	281,340	-----	-----
Value of all products, total.....	\$15,452,932	\$5,508,714	\$5,846,115	\$25,814	\$1,514,729	\$2,025,275	\$2,532,185	\$277,058	-----
Value of stone at quarries or mines.....	\$15,421,477	\$5,508,684	\$5,845,356	\$25,814	\$1,491,745	\$2,019,613	\$2,532,185	-----	-----
Value of secondary products, including electric energy sold.....	\$2,047	\$50	-----	-----	\$2,017	-----	-----	-----	-----
Amounts received or due for services performed for others.....	\$29,408	-----	\$2,779	-----	\$20,967	\$5,662	-----	\$277,058	-----
Number of persons engaged, total.....	6,952	1,257	2,559	28	670	1,066	1,372	155	77
Wage earners (average for the year).....	6,350	1,137	2,317	24	605	934	1,335	104	71
Salaried employees.....	388	98	152	-----	34	72	32	11	6
Proprietors and firm members.....	214	22	90	4	33	60	5	18	-----
Performing manual labor.....	111	11	49	3	13	33	2	10	-----
Principal expenses designated below, total.....	\$9,348,519	\$1,811,495	\$3,802,785	\$20,839	\$942,198	\$1,326,990	\$1,444,016	\$180,691	\$125,037
Wages.....	\$6,099,187	\$1,263,999	\$2,373,256	\$12,820	\$566,909	\$825,373	\$1,056,830	\$115,673	\$69,279
Salaries.....	\$819,661	\$185,311	\$365,924	-----	\$56,452	\$138,580	\$75,394	\$9,115	\$9,541
Supplies and materials.....	\$1,227,985	\$159,112	\$351,379	\$1,867	\$225,288	\$184,842	\$127,495	\$24,673	\$39,088
Fuel.....	\$447,021	\$61,821	\$169,060	\$5,031	\$56,446	\$73,748	\$80,215	\$31,250	\$6,049
Purchased electric energy.....	\$687,375	\$116,593	\$321,138	\$1,121	\$31,901	\$104,135	\$92,485	-----	\$679
Contract work.....	\$87,094	\$24,657	\$24,026	-----	\$7,202	\$20,312	\$10,897	(?)	-----
Cost of buildings, machinery, and equipment erected or installed during the year.....	\$375,488	\$77,544	\$198,689	\$1,709	\$23,440	\$55,542	\$28,764	\$1,428	\$208,331
Buildings.....	\$48,299	\$8,671	\$33,367	\$35	\$210	\$5,240	\$776	(?)	\$66,226
Machinery and equipment, total.....	\$327,189	\$68,873	\$155,322	\$1,674	\$23,230	\$48,102	\$27,988	(?)	\$142,105
Purchased in new condition.....	\$207,758	\$44,180	\$109,927	\$700	\$13,204	\$31,585	\$8,164	(?)	\$150,821
Purchased in used condition.....	\$119,431	\$24,693	\$45,395	\$974	\$10,026	\$16,519	\$19,824	(?)	\$11,284
Number of man-shifts worked by wage earners.....	1,541,480	278,822	547,108	4,008	142,130	222,795	346,617	28,823	18,125
Number of man-hours worked by wage earners, total.....	12,298,687	2,200,068	4,267,124	35,706	1,141,194	1,808,267	2,846,328	231,610	145,002
Tons of stone produced per man-hour.....	0.30	0.61	0.23	0.58	0.68	0.21	0.10	-----	-----
On active days, total.....	12,185,141	2,134,230	4,246,448	35,706	1,137,176	1,783,701	2,845,980	231,610	115,227
At quarries and mines, total.....	11,965,781	2,091,143	4,125,791	31,806	1,116,644	1,783,701	2,816,696	(?)	115,227
Underground.....	665,685	23,704	24,000	-----	-----	79,920	538,061	(?)	-----
Open pits.....	10,935,384	1,978,713	3,930,496	31,806	1,096,888	1,699,037	2,196,444	(?)	110,543
Surface shops and yards.....	366,712	88,726	171,295	-----	19,756	4,744	82,711	(?)	3,082
At preparation plants.....	217,360	43,087	120,657	3,900	20,532	-----	29,184	(?)	-----
On inactive days.....	115,546	65,838	20,676	-----	4,018	24,566	448	(?)	31,377
Average number of equivalent full days operations were active.....	210	179	205	174	223	227	234	143	208
Average number of hours worked per shift.....	8.0	7.9	7.8	8.9	8.0	8.1	8.2	8.0	8.0
Average hourly earning of wage earners.....	\$0.50	\$0.57	\$0.56	\$0.56	\$0.50	\$0.46	\$0.37	\$0.50	\$0.48
Horsepower rating of power equipment, total.....	135,045	33,806	57,106	502	10,511	16,960	16,160	5,305	573
Per wage earner.....	21.5	29.7	24.6	20.9	17.4	18.2	12.1	51.0	8.1
Prime movers.....	53,074	9,189	24,724	458	5,901	6,225	6,577	(?)	334
Electric motors driven by purchased energy.....	81,971	24,617	32,382	44	4,610	10,735	9,583	(?)	238
Horsepower rating of electric motors driven by energy generated by reporting companies.....	7,780	-----	1,417	-----	70	250	6,045	(?)	30
Fuels consumed:									
Anthracite (tons of 2,000 pounds).....	2,589	16	2,140	-----	78	95	262	(?)	-----
Bituminous coal (tons of 2,000 pounds).....	57,991	6,520	13,066	200	5,114	10,051	25,040	(?)	-----
Fuel oil (barrels of 42 gallons).....	52,441	1,041	39,659	-----	9,808	504	1,429	(?)	727
Gasoline and kerosene (gallons).....	837,484	272,989	219,072	25,221	153,811	122,759	43,652	(?)	35,182
Natural gas (thousands of cubic feet).....	9,975	-----	9,975	-----	-----	-----	-----	(?)	-----
Electric energy consumed (thousands of kilowatt-hours), total.....	37,867	5,156	17,988	56	1,474	4,467	8,776	(?)	30
Purchased.....	35,778	5,126	17,362	56	1,450	4,431	7,553	(?)	27
Generated by reporting companies.....	2,089	30	576	-----	24	36	1,423	(?)	3

⁶ Excludes statistics for general contract-service operations.

⁷ Not available.

⁸ Contractors performing general services for the stone industries were not asked to report man-shifts and man-hours for inactive days; hence this item is excluded from the totals.

Limestone

Commercial limestone quarries and mines¹ in the United States had an output in 1939 valued at \$80,656,000 at points of production. These operations produced 109,778,000 short tons of limestone, of which 108,401,000 tons consisted of crushed and broken stone and 1,377,000 tons of rough blocks and slabs. Operations comprising the limestone industry were scattered over 43 States.

The industry embraces the production of limestone, dolomite, cement rock, calcareous marl, calcite, travertine, tufa rock, and other closely related stone. Limestone is a sedimentary rock consisting essentially of calcium carbonate (CaCO₃), the mineral calcite, and is classified according to the nature of its impurities. Dolomite contains a high percentage of magnesium carbonate in addition to the calcium carbonate. Cement rock is a type of limestone containing clay or shale and is used in the manufacture of cement.

Limestone is more widely used in industry than any other stone. Its physical and chemical properties make it an important raw material for many industries. In 1939, 33,137,000 short tons of crushed and broken limestone were produced for use as concrete aggregate and road metal; 33,045,000 tons for the manufacture of cement; 17,201,000 tons for flux in metallurgical furnaces; 6,969,000 tons for the manufacture of lime; 4,727,000 tons for agricultural uses; 3,457,000 tons for railroad ballast; 1,716,000 tons for use as riprap; 1,577,000 tons for refractory uses; and 6,573,000 tons for use in the manufacture of alkalis and other chemicals, glass, and paper, in sugar refining, in coal-mine dusting, and for other purposes. Limestone in the form of rough-dimension blocks and slabs is used principally for building construction and to a limited extent for monuments, curbing, and flagging.

PRINCIPAL EXPENSES

The industry employed an average of 25,619 wage earners in 1939, and paid a total of \$26,167,000 in wages. Salaried employees, numbering 2,129 during October, were paid \$4,638,000. Expenditures during the year for supplies and materials totaled \$11,584,000; for fuel (including 373,000 tons of coal, 12,269,000 gallons of gasoline and kerosene, 216,000 barrels of fuel oil, and 90,622,000 cubic feet of natural gas), \$3,466,000; and for purchased electric energy, \$3,800,000. In addition, \$699,000 was paid for work done on contract. These reported expenses aggregated \$50,355,000. Buildings were erected and machinery and equipment were installed during the year at a cost of \$5,105,000. The amount spent for buildings and major alterations to old structures was \$895,000; that for new and used machinery and equipment, including installation costs, \$4,210,000.

PRODUCTION

The 109,778,000 short tons of limestone produced in 1939 was about 24 percent less than the 1929 production. However, the quantity of limestone produced at "noncommercial" operations, which are not covered in the census canvass, increased more than sixfold in the decade since 1929. According to the United States Bureau of Mines, the quantity of limestone (chiefly crushed and broken stone) produced at such operations increased from 4,699,000 short tons in 1929 to 29,093,000 short tons in 1939.

¹The statistics presented in this report cover limestone quarries and mines whose production enters into the usual channels of commerce. Thus the figures exclude quarries operated by governmental agencies, public utilities, and construction companies or contractors producing stone wholly for their own use or on contract for a governmental agency.

Limestone was produced in 1939 at 1,256 operations located in 43 States. Operations engaged principally in producing crushed and broken stone were located in all 43 States; operations producing principally rough-dimension blocks and slabs were located in 16 of these States. Of the 108,437,000 short tons of limestone produced at crushed-stone operations, those located in Pennsylvania accounted for 17 percent; operations in Michigan ranked second with 13 percent, those in Ohio third with 12 percent, and those in New York fourth with 8 percent. Among the operations producing crushed and broken stone, 63 were underground mines and 29 were combination open quarries and underground mines at which the open-quarry mining method predominated. There were also 3 dredging operations that produced marl. The remaining 1,097 operations were open quarries.

Of the 1,341,000 short tons produced by dimension-stone operations, those in Indiana accounted for 61 percent and those in Wisconsin for 11 percent. Except for a relatively small amount produced at a combination open quarry and underground mine, all the rough-dimension blocks and slabs produced in 1939 came from open quarries.

EMPLOYMENT AND WORKING TIME

The average of 25,619 wage earners employed in 1939 worked a total of 51,101,000 man-hours—48,901,000 at crushed-stone operations and 2,200,000 at dimension-stone operations. The average number of hours worked per shift was 8.1 at crushed-stone operations and 7.9 at dimension-stone operations.

Crushed-stone operations employed an average of 24,462 wage earners, of whom 4,398 were reported in Pennsylvania, 2,439 in Ohio, 1,767 in Missouri, 1,561 in Virginia, 1,414 in New York, 1,409 in Illinois, and 1,371 in Michigan. The average number of wage earners employed at dimension-stone operations was 1,137, operations in Indiana reporting 567 and those in Wisconsin 217. Monthly employment at crushed-stone operations in 1939 ranged from a low point of 18,270 in January to a peak of 27,969 in September. The low month for dimension-stone operations was January, when 520 wage earners were employed; the peak of 1,656 was attained in August.

Operations producing crushed stone were active the equivalent of 206 full days during the year, but there were considerable variations among the individual States, the number ranging from 318 in Arizona to 117 in Idaho. The average was 217 days in Pennsylvania, 214 in Michigan, 201 in Ohio, and 192 in New York. The average for all dimension-stone operations was 179 full days, with an average of 176 days in Indiana and 212 days in Wisconsin. Of the 1,192 crushed-stone operations, 50 operated on a two-shift basis and 24 on a three-shift basis at least part of the year; the remaining 1,118 operated on a one-shift basis throughout the year. Four producers of rough-dimension stone operated on a two-shift basis; 3, on a three-shift basis; and the remaining 57, on a one-shift basis.

The number of tons of stone produced per man-hour at all crushed-stone operations was more than three and one-half times that at dimension-stone operations. The former averaged 2.22 short tons per man-hour worked by wage earners, and varied from 5.38 tons in Idaho to 0.57 ton in North Carolina. The average for Michigan was 5.09 tons; for New York, 2.92; for Ohio, 2.51; and for Pennsylvania, 2.17. The output per man-hour at open quarries was 2.31 short tons; at underground mines, 1.70 short tons; at combination (underground and open-cut) mines, 1.49 short tons. The average for all dimension-stone operations was 0.61 short ton per man-hour, ranging from

0.86 ton in Pennsylvania to 0.16 in Texas. The average for Indiana was 0.73 ton; for Wisconsin, 0.36 ton.

The average hourly earning of wage earners was 51 cents at crushed-stone operations and ranged from 70 cents in California, Idaho, and Washington to 23 cents in North Carolina. The figure for Michigan was 68 cents; for New York, 65 cents; for Pennsylvania, 58 cents; and for Ohio, 49 cents. The average for dimension-stone operations was 57 cents, ranging from 65 cents in Wisconsin and 61 cents in Indiana to 26 cents in Florida.

POWER EQUIPMENT

Power equipment in use or available for use at all limestone operations at the end of 1939 had an aggregate rated capacity of 790,000 horsepower. About 53 percent of the total was for driving stationary equipment such as hoists, screens, crushers, and compressors; the remainder was for driving mobile equipment such as power shovels, locomotives, trucks, tractors, and churn drills. The aggregate horsepower rating of power equipment at crushed-stone operations was 756,000, of which 53 percent was for driving stationary equipment. The average horsepower rating per wage earner was 31, ranging from 79 in Utah to 9 in North Carolina and South Carolina. The average for New York was 67; for Michigan, 52; for Ohio, 33; and for Pennsylvania, 31. The total horsepower rating of power equipment at dimension-stone operations was 34,000, equally divided between stationary and mobile equipment. The average horsepower rating per wage earner was 30, with an average of 39 in Indiana and 15 in Wisconsin.

The limestone industry consumed 343,415,000 kilowatt-hours of electric energy in 1939, of which 74,176,000 were generated by reporting companies for their own use. Crushed-stone operations accounted for 98 percent of the electric energy

consumed and dimension-stone operations for the remaining 2 percent. Of the total electric energy consumed by operations producing crushed stone, 78 percent was purchased and 22 percent generated by reporting companies. Operations in Pennsylvania consumed 70,833,000 kilowatt-hours; in New York, 34,247,000; in Ohio, 32,481,000; and in Michigan, 31,975,000.

Power loading machines at crushed-limestone operations in use or available for use at the end of 1939 totaled 2,022 units of all types, including 1,360 power shovels, 230 clamshells or orange peels, 101 bucket-type loaders, 86 underground shovel loaders, 84 dragline excavators, 79 scraper loaders, 47 cranes and hoists, and 35 units of other types. Of the power shovels reported, 1,168 had dipper capacities of less than 3 cubic yards; 181, of 3 to 5 cubic yards; and 11, of more than 5 cubic yards. Of the dragline excavators reported, 79 had bucket capacities of less than 3 cubic yards; 4, of 3 to 5 cubic yards; and 1, of more than 5 cubic yards. Sixteen of the scraper loaders had a horsepower rating of less than 10; 21, of 10 to 25; 40, of 26 to 100; and 2, of more than 100 horsepower. Dimension-stone operations reported a total of 154 power loading machines, including 110 cranes and hoists, 39 power shovels, and 5 units of other types. Thirty-six of the power shovels had dipper capacities of less than 3 cubic yards; 2, of 3 to 5 cubic yards; and 1, of more than 5 cubic yards.

OPERATIONS COVERED

The statistics summarized in this report for 1939 cover operations engaged primarily in the production of crushed and broken limestone and rough-dimension limestone. They do not cover operations engaged in cutting, shaping, polishing, and otherwise finishing the rough blocks and slabs; statistics for such operations are included in reports for the stone-manufacturing industries.

LIMESTONE

465

TABLE 2.—PRINCIPAL STATISTICS FOR THE LIMESTONE INDUSTRY IN THE UNITED STATES: 1939, 1929, 1919, 1909, 1902, 1889, AND 1880¹

(For producing operations only)

ITEM	COMPARATIVE STATISTICS FOR 1939 AND 1929 ²		COMPARATIVE STATISTICS FOR 1939 AND EARLIER YEARS ³						
	1939	1929	1939	1929	1919	1909	1902	1889	1880 ¹
Number of operating companies—	965	(5)	768	(5)	(5)	1,865	3,137	(5)	(5)
Number of quarries and mines—	1,256	1,256	980	1,004	925	1,918	3,246	1,954	618
Production of limestone (tons of 2,000 pounds)—	109,777,773	144,253,000	70,499,461	86,608,234	49,715,000	(5)	(5)	(5)	(5)
Value of products, total—	\$80,655,801	\$117,257,784	\$58,680,735	\$86,225,787	\$52,943,924	\$29,832,492	\$30,441,801	\$19,095,179	\$38,856,681
Limestone—	\$79,874,928	\$116,505,734	\$58,423,164	\$85,629,090	\$51,967,290	(5)	\$30,441,801	\$19,095,179	\$6,856,681
Other products and services rendered—	\$780,873	\$752,050	\$257,571	\$596,697	\$976,634	(5)	(5)	(5)	(5)
Number of persons engaged, total—	28,312	35,790	21,145	22,287	24,705	33,623	633,778	630,644	615,646
Wage earners (average for the year, including inactive periods)—	25,619	32,300	18,792	22,287	22,069	30,289	731,547	628,741	15,646
Salaried employees—	2,129	2,993	1,824	(5)	2,003	1,700	2,231	1,903	(5)
Proprietors and firm members—	564	497	529	(5)	633	1,634	(5)	(5)	(5)
Performing manual labor—	225	(5)	223	(5)	175	640	(5)	(5)	(5)
Principal expenses designated below, total—	\$50,355,215	\$76,634,288	\$36,466,221	(5)	\$43,463,092	\$21,263,814	\$22,034,678	\$14,349,231	(5)
Wages—	\$26,167,300	\$39,188,364	\$18,327,971	\$26,558,218	\$23,928,332	\$14,082,185	\$14,750,638	\$8,980,218	(5)
Salaries—	\$4,638,351	\$7,889,671	\$4,035,633	(5)	\$3,726,593	\$1,717,996	\$1,843,747	\$1,141,767	(5)
Supplies and materials—	\$11,583,728	\$20,735,789	\$7,878,240	\$14,553,001	\$10,968,220	\$3,754,125	(5)	(5)	(5)
Fuel—	\$5,466,176	\$5,606,670	\$2,796,850	\$2,775,037	\$2,897,432	\$1,507,628	\$5,403,912	\$4,227,246	\$61,408
Purchased electric energy—	\$3,800,245	\$4,795,034	\$2,896,558	\$3,386,404	\$1,278,933	(5)	\$201,880	(5)	(5)
Contract work—	\$699,415	\$418,760	\$50,969	(5)	\$65,557	(5)	\$36,381	(5)	(5)
Cost of machinery and equipment erected or installed during year—	\$4,210,009	\$5,668,756	\$2,864,478	(5)	(5)	(5)	(5)	(5)	(5)
Horsepower rating of power equipment, total—	790,138	535,466	703,878	350,309	213,717	125,024	64,500	22,362	(5)
Per wage earner—	30.8	16.6	37.5	15.7	9.7	4.1	2.0	0.8	(5)
Prime movers—	383,158	198,236	375,421	116,451	126,367	115,573	64,301	(5)	(5)
Electric motors driven by purchased energy—	406,980	337,230	328,457	233,858	87,330	9,451	12,199	(5)	(5)
Horsepower rating of electric motors driven by energy generated by reporting companies—	92,679	20,872	58,512	(5)	11,421	5,291	769	(5)	(5)
Fuels consumed:									
Anthracite (tons of 2,000 pounds)—	8,249	49,354	3,457	(5)	6,058	(5)	(5)	(5)	(5)
Bituminous coal (tons of 2,000 pounds)—	364,753	805,238	270,971	(5)	673,989	(5)	(5)	(5)	(5)
Fuel oils (barrels of 42 gallons)—	216,204	147,119	128,103	(5)	33,221	(5)	(5)	(5)	(5)
Gasoline and kerosene (gallons)—	12,269,246	3,616,524	10,614,841	(5)	478,674	(5)	(5)	(5)	(5)
Natural gas (thousands of cubic feet)—	90,822	117,742	23,737	(5)	5,887	(5)	(5)	(5)	(5)
Electric energy consumed (thousands of kw.-hrs.), total—	343,415	331,968	214,839	(5)	(5)	(5)	(5)	(5)	(5)
Purchased—	269,239	294,931	183,141	(5)	(5)	(5)	(5)	(5)	(5)
Generated by reporting companies—	74,176	37,037	31,698	(5)	(5)	(5)	(5)	(5)	(5)

¹Statistics represent the production of limestone, dolomite, cement rock, calcareous marl, calcite, travertine, tufa rock, and other closely related stone, except that quarried by Federal, State, and local governments, public utilities, and operators who produce stone exclusively for their own use in building or highway construction work, or on contract for a governmental agency. Statistics for 1939 include only those operations (quarries, mines, crushing, screening, or washing plants, or quarries or mines and plants operated together) whose total value of products; designated principal expenses; or cost of buildings, machinery, and equipment erected or installed during the year was at least \$2,500. Figures for 1929 exclude statistics for enterprises "whose output was valued at less than \$2,500; or, if not productive, in which development work costing less than \$2,500 was done." For 1919, "enterprises producing less than \$500 worth of products or ... operations in 1909, 1902, 1889, and 1880, which expenditures amounted to less than \$5,000 during the ... year were ... omitted." No minimum was placed on the size of operations in 1909, 1902, 1889, and 1880. Statistics cover quarrying, stone crushing, and rough-dimension-stone-trimming operations. In 1929 and earlier years, figures include some dimension-stone dressing at operations for which quarry data could not be segregated. In 1929 the operators who included dimension-stone-dressing activities in their reports produced 338,478 short tons of limestone and had products valued at \$3,027,310. Statistics for 1880 include figures for the marble industry, but exclude operations engaged in the production of stone not used for building purposes.

²Includes statistics for limestone quarries operated in conjunction with cement and lime plants.

³For 1939, 1929, 1919, 1909, and 1880, excludes statistics for limestone quarries operated in conjunction with cement and lime plants. For 1902 and 1889, excludes limestone quarries operated in conjunction with cement plants only.

⁴For 1939 and 1909, companies that submitted more than one report are counted only once in the totals.

⁵Not available.

⁶Excludes statistics for items for which information was not available as indicated by footnotes.

⁷On schedules for the 1902 census, concerns were instructed that "The average number employed during the year is the number that would be required, at continuous employment for the twelve months, to produce the quantity of products reported." "In editing the schedules ... the figures for the average number of employees were reduced to a 300-day basis whenever the schedules showed them to be the average number for a shorter period; when it was evident that the employees had worked more than 300 days, the average number for the longer period was allowed to stand."

⁸The 1889 census schedules called for "average number employed," presumably an average for active periods; and requested that figures for wage earners "include those employed by contractors and subcontractors."

⁹Represents cost of explosives.

¹⁰For 1919 and 1909, statistics include amounts paid for purchased power other than electric. Statistics for cost of purchased power for 1902 and 1889 were not explicitly requested, but probably are included in part in the figures for supplies and materials.

¹¹Represents horsepower of steam boilers.

¹²Includes 97 horsepower for equipment operated by purchased power other than electric.

MINERAL INDUSTRIES

TABLE 3.—SUMMARY STATISTICS FOR THE LIMESTONE INDUSTRY IN THE UNITED STATES, BY STATE: 1939 AND 1929¹

(For producing operations only)

STATE AND CENSUS YEAR	Number of quarries and mines	Number of wage earners (average for the year)	Number of salaried employees	Production of lime- stone (tons of 2,000 pounds)	Value of all products	PRINCIPAL EXPENSES DESIGNATED BELOW					Aggregate horsepower rating of power equipment	
						Total	Wages	Salaries	Supplies and materials, fuel, and purchased electric energy	Contract work		
United States:												
1939	1,256	25,619	2,129	109,777,773	\$80,655,601	\$50,355,215	\$26,167,300	\$4,636,351	\$18,850,149	\$699,415	790,138	
1929	1,256	32,300	2,993	144,253,000	117,257,784	276,634,288	39,188,364	27,869,671	29,137,493	418,780	535,465	
Alabama:												
1939	21	890	36	3,643,376	2,317,517	1,626,577	840,698	88,911	621,026	75,942	24,621	
1929	23	957	65	2,950,000	1,886,790	1,553,275	841,965	121,116	589,072	1,122	11,456	
Arizona:												
1939	4	52	2	243,167	225,207	146,473	69,682	2,359	75,432	-----	1,297	
1929	4	62	6	100,000	133,640	95,267	64,800	7,400	23,087	-----	697	
Arkansas:												
1939	9	84	7	236,426	144,115	114,297	60,597	9,511	44,189	-----	1,686	
1929	6	120	11	158,000	184,574	118,176	77,071	16,020	25,085	-----	1,365	
California:												
1939	21	586	34	3,533,649	2,464,606	1,579,867	843,003	93,838	557,737	85,289	13,686	
1929	24	675	26	3,458,000	1,976,716	1,529,070	921,309	63,166	533,915	10,660	10,329	
Colorado:												
1939	14	141	12	742,970	380,400	273,799	142,162	37,042	71,975	22,620	2,596	
1929	14	233	13	728,000	489,236	385,639	226,519	20,134	76,986	-----	1,526	
Connecticut:												
1939	4	38	6	67,388	168,361	92,579	44,525	14,280	33,774	-----	728	
1929	4	61	5	61,000	155,261	105,539	73,595	9,980	21,964	-----	710	
Florida:												
1939	31	636	75	1,860,844	1,707,702	892,156	407,146	144,687	328,407	11,916	11,721	
1929	37	495	89	2,366,000	1,391,799	1,108,614	419,708	251,250	428,946	2,600	11,074	
Georgia:												
1939	10	152	27	591,720	550,673	317,230	130,485	58,698	128,047	-----	3,148	
1929	11	315	31	771,000	647,113	471,017	239,321	75,094	156,602	-----	10,484	
Illinois:												
1939	71	1,409	152	7,153,458	4,900,606	3,176,141	1,615,058	380,917	1,171,251	8,915	57,957	
1929	55	1,649	228	11,896,000	7,830,131	4,398,171	2,105,707	779,550	1,507,636	5,278	50,428	
Indiana:												
1939	86	1,455	121	4,326,782	4,910,292	2,683,965	1,442,191	240,299	977,155	24,340	50,573	
1929	118	2,681	390	5,904,000	12,247,196	6,658,420	4,032,335	1,036,359	1,557,931	31,795	47,470	
Iowa:												
1939	38	382	37	1,993,685	1,308,015	796,842	393,226	56,741	315,380	31,495	11,463	
1929	26	632	80	2,978,000	2,165,957	1,403,766	744,618	128,070	528,145	2,933	10,692	
Kansas:												
1939	34	539	34	1,940,709	1,136,851	832,438	484,805	60,521	285,562	1,550	11,221	
1929	33	700	38	3,258,000	2,108,325	1,393,733	747,099	97,021	499,666	49,947	9,262	
Kentucky:												
1939	58	1,097	73	2,394,629	2,066,930	1,251,260	622,297	125,993	501,232	1,738	23,642	
1929	58	1,147	95	2,510,000	2,336,085	1,590,436	883,724	171,900	516,225	18,587	9,127	
Maine:												
1939	3	74	4	280,006	272,531	124,963	74,135	8,775	41,554	499	1,994	
1929	4	114	9	445,000	423,571	291,578	160,476	19,284	83,658	8,160	2,150	
Maryland:												
1939	12	232	10	678,204	763,839	362,554	204,579	21,661	134,740	1,574	3,415	
1929	23	409	40	1,155,000	1,053,738	759,583	411,937	77,650	269,826	170	5,300	
Massachusetts:												
1939	7	155	17	326,313	515,141	258,715	158,448	33,537	86,930	-----	2,300	
1929	7	111	10	239,000	411,217	244,430	157,264	21,964	65,032	170	1,504	
Michigan:												
1939	18	1,371	120	14,459,961	6,896,364	3,641,296	1,923,153	330,027	1,569,641	18,475	71,642	
1929	18	1,566	138	18,056,000	11,059,922	7,979,186	2,308,116	418,061	35,253,009	-----	54,962	
Minnesota:												
1939	10	109	7	281,737	234,472	203,431	101,992	11,390	83,512	6,537	4,229	
1929	10	233	30	329,000	615,027	569,134	319,087	66,099	163,948	-----	2,959	
Missouri:												
1939	80	1,787	116	4,540,716	3,826,299	2,562,408	1,465,769	217,893	827,447	31,299	55,752	
1929	79	2,350	152	6,532,000	6,175,012	4,070,344	2,433,447	330,639	1,297,524	8,734	17,673	
Montana:												
1939	7	64	5	328,763	194,568	129,783	78,210	7,338	44,285	-----	1,736	
1929	8	76	4	298,000	242,658	202,972	123,740	5,555	73,677	-----	1,610	
New Jersey:												
1939	6	100	23	631,420	358,339	265,262	127,291	48,206	69,765	-----	4,776	
1929	6	234	22	1,225,000	1,013,315	638,643	422,687	90,777	298,998	26,181	2,380	
New York:												
1939	62	1,414	179	9,088,348	6,956,448	4,358,530	2,022,712	482,117	1,813,949	39,752	94,346	
1929	73	1,898	169	11,916,000	11,369,067	6,472,926	3,111,408	537,616	2,816,786	7,116	42,632	

¹For definition of the industry and for explanations of extent of comparability of statistics for 1939 and 1929 see table 2, footnote 1.²Includes statistics for 208 salaried employees paid \$700,858 reported for central administrative offices for which statistics by State are not available.³The return filed by one of the enterprises in Michigan reported an abnormally large amount for "Supplies and materials," which probably represents the inclusion of a considerable amount for capital and other expenditures not called for by this inquiry.

TABLE 3.—SUMMARY STATISTICS FOR THE LIMESTONE INDUSTRY IN THE UNITED STATES, BY STATE: 1939 and 1929¹—Continued

(For producing operations only)

STATE AND CENSUS YEAR	Number of quarries and mines	Number of wage earners (average for the year)	Number of salaried employees	Production of lime- stone (tons of 2,000 pounds)	Value of all products	PRINCIPAL EXPENSES DESIGNATED BELOW					Aggregate horsepower rating of power equipment	
						Total	Wages	Salaries	Supplies and materials, fuel, and purchased electric energy	Contract work		
Ohio:												
1939	139	2,439	209	12,740,649	\$9,092,273	\$5,462,545	\$2,533,825	\$464,752	\$2,356,983	\$136,985	81,196	
1929	114	2,660	240	16,956,000	12,091,055	6,913,868	3,406,876	630,258	2,834,318	42,616	57,726	
Oklahoma:												
1939	19	314	53	1,353,495	748,755	485,312	235,682	83,065	166,565	-----	8,804	
1929	21	507	40	2,678,000	1,775,772	1,129,475	521,934	100,828	503,713	3,000	7,027	
Oregon:												
1939	4	54	3	262,504	163,716	106,708	69,103	7,253	30,352	-----	1,565	
1929	4	65	2	186,000	324,050	166,527	113,749	5,400	37,617	9,561	610	
Pennsylvania:												
1939	188	4,405	367	18,876,372	14,569,732	9,393,592	5,047,366	893,772	3,322,625	129,809	137,748	
1929	213	6,048	372	26,529,000	19,124,043	13,978,394	7,783,473	983,325	5,045,997	167,609	103,188	
Tennessee:												
1939	37	595	34	1,635,078	1,242,833	785,666	423,326	55,095	307,247	-----	13,504	
1929	32	573	36	2,353,000	1,736,472	1,000,549	562,315	80,278	357,959	-----	6,852	
Texas:												
1939	27	554	30	2,719,459	1,214,285	818,683	375,385	64,828	371,324	7,146	15,847	
1929	41	1,170	91	4,968,000	3,171,522	2,206,127	1,128,920	203,265	688,580	5,362	13,650	
Utah:												
1939	10	75	3	396,630	214,959	146,618	80,765	6,170	59,086	597	5,951	
1929	8	103	14	306,000	269,444	222,161	119,994	26,804	75,383	-----	1,230	
Vermont:												
1939	10	84	11	156,283	262,901	110,835	72,760	12,002	25,604	469	1,659	
1929	4	39	4	55,000	69,696	66,800	46,249	4,804	15,747	-----	519	
Virginia:												
1939	61	1,561	108	3,872,031	3,424,383	2,290,475	1,132,885	203,505	941,533	12,552	29,410	
1929	64	1,270	100	3,248,000	3,011,695	1,993,969	1,102,969	206,832	679,824	4,344	17,391	
Washington:												
1939	18	314	19	1,563,231	933,414	679,675	434,676	41,151	203,848	-----	5,870	
1929	15	202	20	825,000	802,701	441,391	244,374	32,510	164,507	-----	3,094	
West Virginia:												
1939	25	940	57	2,945,101	2,443,433	1,860,552	1,053,030	111,774	695,748	-----	19,199	
1929	19	1,319	76	4,004,000	3,507,603	2,394,149	1,465,548	177,271	751,330	-----	15,550	
Wisconsin:												
1939	63	591	61	1,668,565	1,634,513	1,179,930	659,898	104,992	408,674	6,366	18,536	
1929	58	617	114	3,655,000	3,406,692	2,156,216	1,168,088	266,662	717,488	3,978	18,214	
Wyoming:												
1939	6	139	10	387,578	366,547	219,142	132,061	21,186	52,978	12,897	1,683	
1929	8	165	11	361,000	450,397	351,705	220,779	19,464	110,712	750	407	
All other States:												
1939	47	837	67	1,656,646	1,992,651	1,124,696	675,334	94,297	324,612	30,653	14,395	
1929	18	324	34	736,000	880,275	674,160	395,365	66,377	190,531	1,667	3,521	

¹For definition of the industry and for explanations of extent of comparability of statistics for 1939 and 1929 see table 2, footnote 1.

MINERAL INDUSTRIES

TABLE 4.—PRINCIPAL STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

(For producing operations only)

ITEM	United States	Alabama	Arizona	Arkansas	California	Colorado	Connecticut	Florida	Georgia	Idaho
Number of operating companies-----	2 911	17	4	6	21	9	4	23	6	5
Number of quarries and mines-----	1,192	21	4	9	21	14	4	28	10	4
Number of preparation plants (crushing, screening, washing, and storage)-----	1,028	15	2	7	17	4	4	23	10	4
Number of persons engaged, total-----	27,055	933	59	94	603	156	44	712	179	11
Wage earners (average for the year)-----	24,462	890	52	84	566	141	38	630	152	11
Salaried employees-----	2,031	36	2	7	34	12	6	74	27	-----
Proprietors and firm members-----	542	7	5	3	3	-----	-----	8	-----	-----
Performing manual labor-----	214	1	1	1	1	-----	-----	2	-----	-----
Production of limestone: ²										
Tons of 2,000 pounds, total-----	108,436,772	3,643,376	243,187	236,426	3,533,649	742,970	67,388	1,855,384	591,720	82,795
From underground mines-----	7,683,443									
From open quarries-----	97,382,238	3,643,376	243,187	236,426	2,477,056	742,970	67,388	1,855,384	591,720	82,795
From combination (underground and open-cut) mines-----	3,371,081				1,056,613					
Value at quarries and mines-----	\$76,366,244	\$2,225,796	\$219,207	\$144,115	\$2,450,636	\$380,400	\$168,361	\$1,662,702	\$531,358	\$29,807
Value of all products-----	\$77,146,887	\$2,317,517	\$225,207	\$144,115	\$2,464,806	\$380,400	\$168,361	\$1,672,302	\$550,673	\$29,807
Principal expenses designated below, total-----	\$48,543,722	\$1,626,577	\$146,473	\$114,297	\$1,579,867	\$273,799	\$92,579	\$983,100	\$317,230	\$17,208
Wages-----	\$24,903,301	\$840,698	\$68,682	\$60,597	\$343,003	\$142,182	\$44,525	\$404,566	\$130,485	\$10,764
Salaries-----	\$4,453,040	\$89,911	\$2,359	\$9,511	\$3,838	\$7,042	\$14,280	\$143,517	\$58,698	-----
Supplies and materials-----	\$11,424,616	\$435,514	\$23,231	\$28,708	\$457,104	\$50,596	\$22,200	\$184,346	\$90,146	\$2,650
Fuel-----	\$3,404,355	\$44,194	\$49,780	\$10,228	\$39,939	\$11,549	\$803	\$100,761	\$20,055	\$2,517
Purchased electric energy-----	\$3,683,652	\$141,318	\$2,441	\$7,253	\$80,674	\$9,830	\$10,771	\$40,819	\$17,846	\$1,278
Contract work-----	\$674,758	\$75,942	-----	-----	\$85,269	\$22,620	-----	\$9,091	-----	-----
Cost of buildings, machinery, and equipment erected or installed during year-----	\$5,027,080	\$242,840	\$10,500	\$5,882	\$117,549	\$5,756	\$1,666	\$157,717	\$23,717	-----
Buildings-----	\$885,944	\$59,799	-----	\$2,032	\$6,004	\$2,429	-----	\$66,901	\$2,510	-----
Machinery and equipment, total-----	\$4,141,136	\$184,041	\$10,500	\$3,850	\$111,545	\$3,327	\$1,666	\$90,816	\$21,207	-----
Purchased in new condition-----	\$3,344,452	\$159,409	\$10,500	\$3,100	\$74,960	\$3,327	\$1,666	\$51,707	\$17,705	-----
Purchased in used condition-----	\$796,684	\$24,632	-----	\$750	\$36,585	-----	-----	\$39,109	\$3,502	-----
Total number of man-shifts worked by wage earners-----	6,065,605	230,033	16,527	19,935	150,363	35,511	8,535	145,040	39,235	2,017
Total number of man-hours worked by wage earners-----	48,901,227	1,795,235	129,792	159,470	1,200,272	270,326	67,059	1,296,067	325,973	15,376
Average number of hours worked per shift-----	8.1	7.8	7.9	8.0	8.0	7.6	7.9	8.9	8.3	7.6
Average hourly earning of wage earners-----	\$0.51	\$0.47	\$0.55	\$0.38	\$0.70	\$0.53	\$0.66	\$0.31	\$0.40	\$0.70
Tons of limestone produced per man-hour, all mines-----	2.22	2.03	1.87	1.48	2.94	2.75	1.00	1.43	1.82	5.38
At underground mines-----	1.70									
At open quarries-----	2.31	2.03			3.31					
At combination mines-----	1.49		1.87	1.48		2.75	1.00	1.43	1.82	5.38
Average number of equivalent full days operations were active, all mines-----	206	265	318	184	236	171	190	186	157	117
Underground mines-----	224									
Open quarries-----	203	265	318	184	251	171	190	186	157	117
Combination mines-----	227				215					
Horsepower rating of power equipment, total-----	756,332	24,621	1,297	1,686	13,688	2,598	728	11,736	3,148	612
Per wage earner-----	30.9	27.7	24.9	20.1	24.2	18.4	19.2	18.6	20.7	55.6
Stationary equipment ⁴ -----	403,781	17,742	125	701	8,250	855	728	5,107	1,915	308
Mobile equipment ⁵ -----	352,551	6,879	1,172	985	5,438	1,743	-----	6,629	1,233	304
Electric energy consumed (thousands of kw-hrs.), total-----	338,259	23,839	144	518	9,634	1,000	417	3,097	1,449	47
Purchased-----	264,113	23,011	126	518	6,899	270	417	2,644	1,070	47
Generated by reporting companies-----	74,146	828	18	-----	2,735	730	-----	453	379	-----

See footnotes at end of table.

TABLE 4.—PRINCIPAL STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939^a—Continued

(For producing operations only)

ITEM	Illinois	Indiana	Iowa	Kansas	Kentucky	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri
Number of operating companies-----	65	57	38	25	45	3	12	6	16	9	54
Number of quarries and mines-----	71	70	38	27	56	3	12	7	16	10	80
Number of preparation plants (crushing, screening, washing, and storage)-----	70	63	35	24	56	2	10	7	13	10	63
Number of persons engaged, total-----	1,606	1,013	452	512	1,189	78	246	173	1,492	119	1,902
Wage earners (average for the year)-----	1,409	888	382	471	1,087	74	232	155	1,371	109	1,787
Salaried employees-----	152	71	37	30	73	4	10	17	120	7	116
Proprietors and firm members-----	45	54	33	11	29	-----	4	1	1	3	19
Performing manual labor-----	21	27	18	3	8	-----	-----	-----	-----	3	3
Production of limestone: ^b											
Tons of 2,000 pounds, total-----	7,153,458	3,502,756	1,993,685	1,887,559	2,394,629	280,006	878,204	326,313	14,459,861	281,737	4,540,716
From underground mines-----	235,005	-----	1,993,685	1,887,559	414,002	-----	-----	-----	-----	-----	1,266,974
From open quarries-----	6,918,453	3,502,756	-----	-----	1,707,254	280,006	878,204	326,313	14,459,861	281,737	2,478,758
From combination (underground and open-cut) mines-----	-----	-----	-----	-----	273,375	-----	-----	-----	-----	-----	795,004
Value at quarries and mines-----	\$4,867,713	\$2,509,282	\$1,253,711	\$1,037,543	\$2,047,948	\$272,501	\$762,784	\$515,141	\$6,845,455	\$284,472	\$3,696,716
Value of all products-----	\$4,900,808	\$2,585,934	\$1,308,015	\$1,080,383	\$2,086,930	\$272,501	\$765,809	\$515,141	\$6,896,364	\$284,472	\$3,826,289
Principal expenses designated below, total-----	\$3,176,141	\$1,856,557	\$796,842	\$780,965	\$1,251,260	\$124,965	\$362,554	\$258,715	\$3,641,296	\$205,431	\$2,562,408
Wages-----	\$1,615,058	\$749,981	\$393,226	\$447,275	\$622,297	\$74,135	\$204,579	\$158,448	\$1,923,153	\$101,992	\$1,485,789
Salaries-----	\$380,917	\$115,996	\$58,741	\$56,796	\$125,995	\$8,775	\$21,661	\$33,337	\$330,027	\$11,390	\$217,893
Supplies and materials-----	\$638,860	\$468,004	\$191,850	\$188,039	\$253,114	\$26,995	\$92,650	\$877,854	\$29,876	\$33,482	\$478,716
Fuel-----	\$266,031	\$172,863	\$79,587	\$46,587	\$158,604	\$417	\$21,684	\$12,374	\$286,469	\$32,309	\$187,545
Purchased electric energy-----	\$266,560	\$135,153	\$43,943	\$40,738	\$89,514	\$14,144	\$20,406	\$24,680	\$205,318	\$17,741	\$181,186
Contract work-----	\$8,915	\$14,560	\$31,495	\$1,550	\$1,738	\$489	\$1,574	-----	\$18,475	\$6,537	\$31,299
Cost of buildings, machinery, and equipment erected or installed during year-----	\$315,888	\$181,968	\$110,866	\$37,674	\$165,048	-----	\$76,846	\$17,540	\$209,801	\$17,812	\$219,220
Buildings-----	\$45,029	\$11,497	\$8,159	\$2,406	\$7,721	-----	-----	-----	\$101,600	\$5,164	\$64,361
Machinery and equipment, total-----	\$270,859	\$170,469	\$102,707	\$35,268	\$157,327	-----	\$76,846	\$17,540	\$108,201	\$12,648	\$154,859
Purchased in new condition-----	\$216,277	\$144,908	\$84,209	\$32,071	\$130,939	-----	\$76,596	\$17,540	\$106,564	\$10,300	\$95,640
Purchased in used condition-----	\$54,582	\$25,561	\$18,498	\$5,197	\$26,388	-----	\$250	\$200	\$1,637	\$2,348	\$59,219
Total number of man-shifts worked by wage earners-----	336,346	214,104	92,126	114,875	233,876	18,784	56,401	41,259	355,109	23,652	414,893
Total number of man-hours worked by wage earners-----	2,696,362	1,748,242	765,461	912,658	2,006,725	150,287	454,459	308,764	2,840,818	194,886	3,233,643
Average number of hours worked per shift-----	8.0	8.2	8.3	7.9	8.6	8.0	8.1	7.5	8.0	8.2	7.8
Average hourly earning of wage earners-----	\$0.80	\$0.43	\$0.51	\$0.49	\$0.51	\$0.49	\$0.45	\$0.51	\$0.68	\$0.52	\$0.46
Tons of limestone produced per man-hour, all mines-----	2.65	2.00	2.80	2.07	1.19	1.86	1.93	1.06	5.09	1.45	1.40
At underground mines-----	1.00	-----	2.80	2.07	1.74	-----	-----	-----	-----	-----	1.87
At open quarries-----	2.81	2.00	-----	-----	1.11	1.86	1.93	1.06	5.09	1.45	1.25
At combination mines-----	-----	-----	-----	-----	1.19	-----	-----	-----	-----	-----	1.40
Average number of equivalent full days operations were active, all mines-----	205	170	197	202	178	229	241	239	214	132	180
Underground mines-----	261	-----	197	202	170	-----	-----	-----	-----	-----	216
Open quarries-----	201	170	-----	-----	176	229	241	239	214	132	158
Combination mines-----	-----	-----	-----	-----	198	-----	-----	-----	-----	-----	245
Horsepower rating of power equipment, total-----	57,957	28,616	11,463	9,824	23,642	1,994	3,413	2,300	71,842	4,229	35,732
Per wage earner-----	41.1	32.2	30.0	20.9	21.7	26.9	14.7	14.8	52.4	38.8	20.2
Stationary equipment ⁴ -----	32,114	14,695	4,175	4,897	12,908	1,359	1,821	1,873	43,603	1,652	18,358
Mobile equipment ⁵ -----	25,843	14,021	7,288	4,927	10,734	635	1,792	427	28,239	2,577	17,374
Electric energy consumed (thousands of kw-hrs.), total-----	21,469	7,251	4,667	5,241	10,321	1,133	2,552	1,083	31,975	758	12,059
Purchased-----	13,139	6,406	1,827	2,904	3,931	1,133	982	1,071	15,109	738	9,755
Generated by reporting companies-----	8,330	845	2,840	2,337	6,390	-----	1,550	12	16,866	-----	2,304

See footnotes at end of table.

MINERAL INDUSTRIES

TABLE 4.—PRINCIPAL STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939^a—Continued

(For producing operations only)

ITEM	Montana	Nebraska	New Jersey	New York	North Carolina	Ohio	Oklahoma	Oregon	Pennsylvania	South Carolina	South Dakota
Number of operating companies-----	7	6	5	51	3	115	14	3	7	4	4
Number of quarries and mines-----	7	12	6	62	3	139	19	4		4	4
Number of preparation plants (crushing, screening, washing, and storage)-----	3	5	3	59	3	134	19	3		3	2
Number of persons engaged, total-----	72	192	124	1,612	119	2,730	369	57	4,881	159	25
Wage earners (average for the year)-----	64	178	100	1,414	106	2,439	314	54	4,398	154	19
Salaried employees-----	5	14	23	179	10	209	53	3	387	5	5
Proprietors and firm members-----	3	2	1	19	3	82	2		116		1
Performing manual labor-----	1	1		4	2	34	2		51		
Production of limestone: ³											
Tons of 2,000 pounds, total-----	328,783	476,695	631,420	9,088,348	103,832	12,740,649	1,355,495	262,504	18,865,516	185,056	26,652
From underground mines-----				147,491		374,951					
From open quarries-----	328,783	476,695	631,420	8,940,857	103,832	12,365,698	1,355,495	262,504	3,097,313 15,348,214	185,056	26,652
From combination (underground and open-cut) mines-----									427,989		
Value at quarries and mines-----	\$194,568	\$494,734	\$358,339	\$6,942,551	\$122,624	\$9,038,185	\$748,755	\$163,716	\$14,497,142	\$239,260	\$32,093
Value of all products-----	\$194,568	\$494,734	\$358,339	\$6,956,448	\$127,194	\$9,082,275	\$748,755	\$163,716	\$14,554,976	\$239,260	\$32,093
Principal expenses designated below, total-----	\$129,783	\$271,971	\$265,262	\$4,358,530	\$72,927	\$5,462,545	\$485,312	\$106,708	\$9,384,425	\$154,629	\$19,502
Wages-----	\$78,210	\$149,147	\$127,291	\$2,022,712	\$42,412	\$2,503,825	\$235,682	\$69,105	\$5,040,317	\$81,260	\$12,788
Salaries-----	\$7,308	\$16,810	\$48,206	\$482,117	\$9,172	\$464,752	\$83,065	\$7,253	\$693,772	\$13,483	\$2,946
Supplies and materials-----	\$32,529	\$48,169	\$62,872	\$1,125,087	\$11,557	\$1,399,579	\$96,530	\$23,166	\$1,995,435	\$40,730	\$1,400
Fuel-----	\$2,557	\$17,529	\$14,458	\$278,140	\$6,011	\$484,505	\$31,988	\$2,326	\$584,282	\$8,897	\$819
Purchased electric energy-----	\$9,179	\$13,316	\$12,635	\$410,722	\$3,775	\$493,099	\$36,047	\$4,960	\$741,190	\$10,259	\$664
Contract work-----		\$27,000		\$59,752		\$136,985			\$129,449		\$685
Cost of buildings, machinery, and equipment erected or installed during year-----	\$18,733	\$40,000	\$2,394	\$492,401	\$8,320	\$507,095	\$42,354	\$14,362	\$1,244,787	\$8,180	\$2,824
Buildings-----	\$1,350		\$2,394	\$54,603		\$100,574			\$191,693	\$600	
Machinery and equipment, total-----	\$17,383	\$40,000		\$437,798	\$8,320	\$406,521	\$42,354	\$14,362	\$1,053,094	\$7,680	\$2,824
Purchased in new condition-----	\$17,383	\$40,000		\$399,604	\$8,320	\$321,109	\$42,354		\$797,259	\$7,280	\$2,824
Purchased in used condition-----				\$38,194		\$85,412		\$14,362	\$255,835	\$400	
Total number of man-shifts worked by wage earners-----	15,871	52,071	28,788	382,198	25,924	630,799	71,289	15,128	1,071,629	56,216	3,705
Total number of man-hours worked by wage earners-----	130,192	420,700	236,475	3,107,634	182,800	5,083,975	562,797	110,596	6,881,067	317,487	29,656
Average number of hours worked per shift-----	8.2	8.1	8.2	8.1	7.6	8.1	7.9	7.3	8.1	8.8	8.0
Average hourly earning of wage earners-----	\$0.60	\$0.35	\$0.54	\$0.65	\$0.23	\$0.49	\$0.42	\$0.62	\$0.58	\$0.26	\$0.43
Tons of limestone produced per man-hour, all mines-----	2.53	1.14	2.67	2.92	0.57	2.51	2.40	2.37	2.17	0.58	0.90
At underground mines-----				0.92		1.41			2.20		
At open quarries-----	2.53	1.14	2.67	3.03	0.57	2.57	2.40	2.37	2.19	0.58	0.90
At combination mines-----									1.64		
Average number of equivalent full days operations were active, all mines-----	164	224	282	192	240	201	221	211	217	202	132
Underground mines-----				266		218			207		
Open quarries-----	164	224	282	189	240	200	221	211	219	202	132
Combination mines-----									222		
Horsepower rating of power equipment, total-----	1,736	2,079	4,776	94,346	945	81,196	8,804	1,565	137,487	1,378	165
Per wage earner-----	27.1	11.8	47.8	66.7	8.9	33.3	27.4	29.0	31.3	8.9	8.7
Stationary equipment ⁴ -----	627	1,114	4,143	44,044	811	43,965	5,700	875	86,199	1,034	115
Mobile equipment ⁵ -----	1,109	965	633	50,302	134	37,231	2,904	890	71,288	344	50
Electric energy consumed (thousands of kw-hrs.), total-----	1,239	1,076	4,276	34,247	187	32,481	4,509	400	70,853	684	21
Purchased-----	1,239	1,076	619	30,258	187	26,442	1,615	400	61,739	684	21
Generated by reporting companies-----			3,657	3,989		6,039	2,894		9,094		

See footnotes at end of tables.

LIMESTONE

471

TABLE 4.—PRINCIPAL STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹—Concluded

(For producing operations only)

ITEM	Tennessee	Texas	Utah	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming	Louisiana, Nevada, and Rhode Island ⁶
Number of operating companies-----	32	21	10	9	58	14	22	37	6	3
Number of quarries and mines-----	37	24	10	10	61	18	25	49	6	3
Number of preparation plants (crushing, screening, washing, and storage)-----	30	17	6	8	51	7	23	46	2	3
Number of persons engaged, total-----	638	567	82	98	1,689	339	1,011	441	152	125
Wage earners (average for the year)-----	595	556	75	84	1,561	514	940	374	139	117
Salaried employees-----	54	30	3	11	108	19	57	43	10	8
Proprietors and firm members-----	9	1	4	5	20	6	14	24	3	-----
Performing manual labor-----	2	1	3	-----	7	1	1	14	-----	-----
Production of limestone: ²										
Tons of 2,000 pounds, total-----	1,635,078	2,713,893	396,630	156,263	3,872,031	1,563,231	2,945,101	1,522,773	387,578	485,465
From underground mines-----	175,628	-----	-----	-----	-----	-----	1,151,939	-----	-----	-----
From open quarries-----	1,159,820	2,713,893	396,630	156,263	3,872,031	1,563,231	1,783,162	1,522,773	387,578	485,465
From combination (underground and open-cut) mines-----	299,630	-----	-----	-----	-----	-----	-----	-----	-----	-----
Value at quarries and mines-----	\$1,231,784	\$1,170,827	\$212,991	\$257,492	\$3,358,195	\$915,462	\$2,443,433	\$1,160,450	\$366,547	\$511,768
Value of all products-----	\$1,242,833	\$1,190,311	\$214,959	\$262,901	\$3,424,383	\$933,414	\$2,443,433	\$1,160,450	\$366,547	\$511,768
Principal expenses designated below, total-----	\$765,666	\$798,932	\$146,618	\$110,835	\$2,290,475	\$679,675	\$1,860,552	\$842,338	\$219,142	\$231,632
Wages-----	\$423,328	\$364,740	\$80,765	\$72,760	\$1,132,885	\$434,876	\$1,053,030	\$395,314	\$132,081	\$129,592
Salaries-----	\$55,093	\$64,828	\$6,170	\$12,002	\$205,505	\$41,151	\$111,774	\$81,040	\$21,186	\$19,725
Supplies and materials-----	\$207,823	\$259,984	\$36,361	\$10,799	\$621,592	\$160,743	\$448,066	\$178,784	\$40,750	\$49,137
Fuel-----	\$30,377	\$47,724	\$12,295	\$2,814	\$151,800	\$22,407	\$50,078	\$105,163	\$11,741	\$14,590
Purchased electric energy-----	\$69,047	\$80,695	\$10,430	\$11,991	\$168,141	\$20,698	\$197,606	\$78,200	\$487	\$18,798
Contract work-----	-----	\$961	\$597	\$469	\$12,552	-----	-----	\$5,827	\$12,897	-----
Cost of buildings, machinery, and equipment erected or installed during year-----	\$30,382	\$20,492	\$23,219	\$7,000	\$275,025	\$81,458	\$115,084	\$75,809	\$8,284	\$90,649
Buildings-----	\$5,650	-----	\$200	\$2,400	\$80,285	\$21,937	\$23,706	\$3,394	-----	\$12,646
Machinery and equipment, total-----	\$24,732	\$20,492	\$23,019	\$4,600	\$194,740	\$59,501	\$91,378	\$72,415	\$8,284	\$78,003
Purchased in new condition-----	\$19,382	\$19,422	\$20,734	\$2,300	\$163,062	\$55,381	\$45,833	\$65,240	\$1,784	\$78,003
Purchased in used condition-----	\$5,350	\$1,070	\$2,285	\$2,300	\$31,678	\$4,120	\$45,545	\$7,175	\$6,500	-----
Total number of man-shifts worked by wage earners-----	140,642	131,094	18,649	24,404	396,794	77,532	254,145	95,066	32,415	34,849
Total number of man-hours worked by wage earners-----	1,133,107	1,033,172	143,668	196,123	3,223,241	618,452	1,869,230	745,147	259,299	246,574
Average number of hours worked per shift-----	8.1	7.9	7.7	8.0	8.1	8.0	8.0	7.8	8.0	7.1
Average hourly earning of wage earners-----	\$0.37	\$0.35	\$0.56	\$0.37	\$0.35	\$0.70	\$0.56	\$0.53	\$0.51	\$0.53
Tons of limestone produced per man-hour, all mines-----	1.44	2.63	2.76	0.80	1.20	2.55	1.58	2.05	1.49	1.97
At underground mines-----	0.98	-----	-----	-----	-----	-----	1.81	-----	-----	-----
At open quarries-----	1.44	2.63	2.76	0.80	1.20	2.53	1.45	2.05	1.49	1.97
At combination mines-----	2.04	-----	-----	-----	-----	-----	-----	-----	-----	-----
Average number of equivalent full days operations were active, all mines-----	202	238	194	265	228	227	228	164	198	294
Underground mines-----	266	-----	-----	-----	-----	-----	260	-----	-----	-----
Open quarries-----	186	238	194	265	228	227	214	164	198	294
Combination mines-----	242	-----	-----	-----	-----	-----	-----	-----	-----	-----
Horsepower rating of power equipment, total-----	13,504	15,493	5,951	1,659	29,410	5,870	19,199	15,364	1,863	2,596
Per wage earner-----	22.7	28.9	79.3	19.8	18.8	18.7	20.4	41.1	13.5	22.2
Stationary equipment ⁴ -----	9,200	8,152	4,385	1,422	16,938	2,737	7,905	9,633	601	1,495
Mobile equipment ⁵ -----	4,304	7,341	1,566	237	12,472	3,133	11,294	5,731	1,262	1,101
Electric energy consumed (thousands of kw-hrs.), total-----	5,703	4,247	602	591	12,664	3,104	17,945	3,797	10	1,129
Purchased-----	5,703	4,053	602	562	12,248	2,021	17,735	3,797	10	1,105
Generated by reporting companies-----	-----	194	-----	29	416	1,083	110	-----	-----	24

¹For definition of the industry see table 2, footnote 1. Tables 4 through 20 cover only those operations in the industry that were engaged principally in the production of crushed and broken limestone. Included in operations classified as "open quarries" are 3 dredging operations that produced marl.

²One company had operations in 9 of the designated States, 2 in 7 of the States, 3 in 6 of the States, 1 in 5 of the States, 3 in 4 of the States, 10 in 3 of the States, and 23 in 2 of the States.

³Includes 208,447 short tons of dimension stone, valued at \$301,460, produced at quarries and mines engaged principally in the production of crushed and broken stone. Crushed and broken stone operations also produced 40 short tons of rough-dimension marble, 45,939 short tons of crushed sandstone, and 56 short tons of talc.

⁴Aggregate horsepower rating of engines, motors, etc. used for driving stationary or fixed equipment such as hoists, screens, crushers, compressors, etc.

⁵Aggregate horsepower rating of engines, motors, etc. used for driving mobile equipment such as power shovels, locomotives, trucks, tractors, churn drills, etc.

⁶One quarry in each State.

MINERAL INDUSTRIES

TABLE 5.—QUANTITY AND VALUE OF PRODUCTS OF CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT AND BY STATE: 1939¹

ITEM	UNITED STATES		ALABAMA		ARIZONA		ARKANSAS		CALIFORNIA	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total	(2)	\$77,146,887	(2)	\$2,317,517	(2)	\$225,207	236,426	\$144,115	(2)	\$2,464,606
All limestone produced, total ³	108,453,772	76,366,244	3,343,376	2,225,796	243,167	219,207	236,426	144,115	3,533,649	2,460,656
Rough-dimension limestone, total	204,427	285,316							322	644
For use in construction:										
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.	122,780	124,580							322	644
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	71,038	95,496								
For architecture (buildings and other high-class construction work)	9,842	63,707								
For other uses	767	1,535								
Dressed-dimension limestone, including sawed, cut, and split stone, total	4,020	16,211								
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	1,400	8,891								
Flagging and floors or walkway slabs	2,620	7,320								
Rough blocks used to produce dressed-dimension limestone	4,020	16,144								
Crushed, broken, and ground limestone, total	108,228,325	76,084,784	3,643,376	2,225,796	243,167	219,207	236,426	144,115	3,533,327	2,449,992
Riprap	1,668,263	1,438,890	233,493	138,713					38	28
Concrete and road metal	33,088,412	28,008,569	18,531	16,105	17,881	13,657	5,553	6,941	39,256	33,723
Railroad ballast	3,458,729	2,841,461					4,573	6,996		
Metallurgical (furnace flux)	17,151,279	12,049,681	1,133,172	945,171	41,569	27,802	3,576	3,397		
Refractory (ganister, mica schist, etc.)	1,576,920	975,186							34,411	92,539
Agricultural	4,716,330	5,418,506	122,749	87,848					13,500	11,000
For cement manufacture	33,044,519	13,299,575	1,878,854	720,211			40,759	61,430	499	1,497
For lime manufacture	8,865,313	5,895,280	235,369	285,369			138,500	34,825	3,084,601	1,854,436
For other uses	6,562,560	6,339,644	21,208	54,379	183,767	177,748	36,984	14,795	134,514	149,060
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)	(2)	615,987	(2)	91,721	(2)	6,000	6,481	15,931	(2)	13,970
Electric energy sold	4,434	27,125								
Receipts for services performed for others	(2)	137,551								

ITEM	COLORADO		CONNECTICUT		FLORIDA		GEORGIA		IDAHO	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total	742,970	\$380,400	67,388	\$168,361	(2)	\$1,672,302	(2)	\$550,673	82,795	\$29,907
All limestone produced, total ³	742,970	380,400	67,388	168,361	1,855,384	1,662,702	591,720	531,356	82,795	29,907
Rough-dimension limestone, total	172	4,042								
For use in construction:										
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.										
Rubble (cellar foundations, retaining walls, and similar low-priced stone)										
For architecture (buildings and other high-class construction work)	172	4,042								
For other uses										
Dressed-dimension limestone, including sawed, cut, and split stone, total										
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)										
Flagging and floors or walkway slabs										
Rough blocks used to produce dressed-dimension limestone										
Crushed, broken, and ground limestone, total	742,798	376,358	67,388	168,361	1,855,384	1,662,702	591,720	531,356	82,795	29,907
Riprap										
Concrete and road metal			2,304	4,285	876	865	241,129	222,435		
Railroad ballast					1,283,165	1,227,591				
Metallurgical (furnace flux)	272,195	146,554	1,228	1,621	152,968	122,340			2,800	4,620
Refractory (ganister, mica schist, etc.)			960	3,360			3,143	6,284		
Agricultural			38,239	95,357						
For cement manufacture	386,110	96,527			34,831	101,060	51,876	89,761	230	230
For lime manufacture	29,199	35,078	14,565	21,687	354,865	167,433	265,953	125,546	79,765	25,057
For other uses	55,294	98,199	10,092	42,051	23,755	21,187	19,011	10,605		
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)					24,924	22,226	10,606	76,727		
Electric energy sold							(2)	13,980		
Receipts for services performed for others					(2)	9,600	(2)	5,335		

See footnotes at end of table.

LIMESTONE

473

TABLE 5.—QUANTITY AND VALUE OF PRODUCTS OF CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT AND BY STATE: 1939¹—Continued

ITEM	ILLINOIS		INDIANA		IOWA		KANSAS		KENTUCKY	
	Tons of 2,000 pounds	Value								
All products, total	(2)	\$4,900,606	(2)	\$2,585,934	(2)	\$1,308,015	(2)	\$1,080,383	(2)	\$2,068,930
All limestone produced, total ³	7,153,458	4,867,713	3,502,756	2,509,262	1,993,685	1,253,711	1,887,559	1,037,343	2,394,629	2,047,948
Rough-dimension limestone, total	11,411	26,220	2,094	2,156	18,355	14,609	16,119	12,969	8,432	5,951
For use in construction:										
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.	5,688	5,698	900	1,050	13,128	9,294	14,940	12,768	2,481	3,869
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	4,315	11,612	1,194	1,106	5,227	5,315	179	203	5,951	2,082
For architecture (buildings and other high-class construction work)	641	7,177								
For other uses	767	1,533								
Dressed-dimension limestone, including sawed, cut, and split stone, total	22	111			341	823				
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)										
Flagging and floors or walkway slabs	22	111			341	823				
Rough blocks used to produce dressed-dimension limestone	22	44			341	823				
Crushed, broken, and ground limestone, total	7,142,025	4,841,449	3,500,662	2,507,106	1,974,989	1,238,279	1,872,440	1,024,374	2,386,197	2,041,997
Riprap	39,026	37,375	23,428	19,553	31,095	28,144	103,765	142,208	105,148	74,140
Concrete and road metal	3,568,891	2,376,210	1,684,083	1,440,173	492,263	423,772	476,899	411,280	1,202,476	1,153,157
Railroad ballast	185,847	109,021	345,479	261,374	2,584	1,786	82,241	73,053	273,381	166,773
Metallurgical (furnace flux)	373,389	301,082	16,484	15,736	11,549	9,106			3,000	2,550
Refractory (ganister, mica schist, etc.)	30	113	6,670	4,884						
Agricultural	1,294,346	1,095,456	322,061	276,379	232,229	189,629	9,007	8,643	461,772	440,747
For cement manufacture	1,275,054	465,487	846,119	248,335	1,121,544	446,073	1,194,166	373,847	314,850	177,188
For lime manufacture	111,292	112,535	172,448	155,750	4,150	3,495			9,016	5,795
For other uses	274,150	344,210	83,892	82,642	79,576	126,274	6,582	15,345	16,554	21,647
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)	(2)	32,713	(2)	36,395	(2)	54,253	(2)	16,393	(2)	15,374
Electric energy sold									4.19	165
Receipts for services performed for others	(2)	160	(2)	40,277	(2)	51	(2)	6,647	(2)	3,423

ITEM	MAINE		MARYLAND		MASSACHUSETTS		MICHIGAN		MINNESOTA	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value						
All products, total	280,006	\$272,501	(2)	\$763,809	326,313	\$515,141	(2)	\$6,886,384	281,737	\$284,472
All limestone produced, total ³	280,006	272,501	878,204	762,784	326,313	515,141	14,459,861	6,845,455	281,737	284,472
Rough-dimension limestone, total							3,592	18,502	4,977	13,101
For use in construction:										
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.							1,750	2,395		
Rubble (cellar foundations, retaining walls, and similar low-priced stone)									4,547	8,801
For architecture (buildings and other high-class construction work)							1,842	16,107	430	4,300
For other uses										
Dressed-dimension limestone, including sawed, cut, and split stone, total										
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)										
Flagging and floors or walkway slabs										
Rough blocks used to produce dressed-dimension limestone										
Crushed, broken, and ground limestone, total	280,006	272,501	878,204	762,784	326,313	515,141	14,456,269	6,826,953	276,760	271,371
Riprap					2,439	2,439	62,368	29,120	9,000	8,000
Concrete and road metal	1,288	2,200	418,803	480,195			1,794,179	616,135	213,758	185,227
Railroad ballast							112,784	66,616	891	891
Metallurgical (furnace flux)	35,635	48,105			12,250	15,886	5,399,601	2,536,233		
Refractory (ganister, mica schist, etc.)							548,974	274,567		
Agricultural	21,943	91,008	12,511	21,322	91,615	209,268	195,411	75,397	10,143	13,640
For cement manufacture	181,973	41,723	376,435	177,709			3,245,221	1,205,986	28,000	26,000
For lime manufacture	60,229	39,611	65,900	67,500	207,637	233,746	1,090,264	555,035		
For other uses	28,938	49,559	6,555	16,058	12,372	53,802	2,007,467	1,269,864	18,988	39,613
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)			(2)	1,025			(2)	26,421		
Electric energy sold							4.1549	24,468		
Receipts for services performed for others										

See footnotes at end of table.

MINERAL INDUSTRIES

TABLE 5.—QUANTITY AND VALUE OF PRODUCTS OF CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT AND BY STATE: 1939¹—Continued

ITEM	MISSOURI		MONTANA		NEBRASKA		NEW JERSEY		NEW YORK	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total-----	(*)	\$3,826,289	328,783	\$194,588	478,895	\$494,734	631,420	\$358,339	(*)	\$8,886,448
All limestone produced, total ² -----	4,540,716	3,896,716	328,783	194,588	478,895	494,734	631,420	358,339	9,088,548	6,942,551
Rough-dimension limestone, total-----	68,997	93,333	-----	-----	6,026	8,452	-----	-----	1,110	4,841
For use in construction:										
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.	22,879	30,825	-----	-----	6,026	8,452	-----	-----	10	6
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	46,118	62,708	-----	-----	-----	-----	-----	-----	-----	-----
For architecture (buildings and other high-class construction work)	-----	-----	-----	-----	-----	-----	-----	-----	1,100	4,820
For other uses-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dressed-dimension limestone, including sawed, cut, and split stone, total-----	831	8,879	-----	-----	-----	-----	-----	-----	-----	-----
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	500	7,541	-----	-----	-----	-----	-----	-----	-----	-----
Flagging and floors or walkway slabs	331	1,338	-----	-----	-----	-----	-----	-----	-----	-----
Rough blocks used to produce dressed-dimension limestone-----	831	8,879	-----	-----	-----	-----	-----	-----	-----	-----
Crushed, broken, and ground limestone, total-----	4,470,888	3,594,504	328,783	194,588	472,869	486,282	631,420	358,339	9,087,238	6,937,720
Riprap-----	300,045	238,435	-----	-----	176,974	248,751	-----	-----	205,836	167,748
Concrete and road metal-----	1,481,311	1,743,462	5,995	5,238	12,185	14,430	82,909	26,534	5,146,311	4,420,935
Railroad ballast-----	51,787	41,568	-----	-----	-----	-----	-----	-----	333,506	288,504
Metallurgical (furnace flux)	22,164	28,069	72,245	48,107	-----	-----	-----	-----	1,182	1,217
Refractory (ganister, mica schist, etc.)-----	-----	-----	-----	-----	-----	-----	-----	-----	4,836	5,506
Agricultural-----	127,419	109,293	-----	-----	125	43	117,995	139,773	203,073	332,694
For cement manufacture-----	1,423,482	528,053	155,544	38,886	256,516	87,882	429,796	171,312	1,858,085	839,956
For lime manufacture-----	931,379	707,838	14,636	12,695	-----	-----	20,720	20,720	36,567	68,273
For other uses-----	133,301	199,786	80,363	89,642	26,869	135,176	-----	-----	1,298,242	812,890
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)-----	(*)	101,546	-----	-----	-----	-----	-----	-----	(*)	12,897
Electric energy sold-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Receipts for services performed for others-----	(*)	28,027	-----	-----	-----	-----	-----	-----	(*)	1,000

ITEM	NORTH CAROLINA		OHIO		OKLAHOMA		OREGON		PENNSYLVANIA	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total-----	(*)	\$127,194	(*)	\$9,082,273	1,353,495	\$748,755	282,504	\$183,716	(*)	\$14,554,976
All limestone produced, total ² -----	103,832	122,624	12,740,649	9,038,185	1,353,495	748,755	282,504	183,716	18,883,516	14,497,142
Rough-dimension limestone, total-----	-----	-----	9,941	10,746	-----	-----	-----	-----	22,739	25,405
For use in construction:										
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.	-----	-----	4,752	5,452	-----	-----	-----	-----	21,372	24,008
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	-----	-----	2,104	1,972	-----	-----	-----	-----	1,367	1,459
For architecture (buildings and other high-class construction work)	-----	-----	3,085	3,322	-----	-----	-----	-----	-----	-----
For other uses-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dressed-dimension limestone, including sawed, cut, and split stone, total-----	-----	-----	540	543	-----	-----	-----	-----	1,419	3,010
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	-----	-----	-----	-----	-----	-----	-----	-----	900	1,350
Flagging and floors or walkway slabs	-----	-----	540	543	-----	-----	-----	-----	519	1,660
Rough blocks used to produce dressed-dimension limestone-----	-----	-----	540	543	-----	-----	-----	-----	1,419	3,010
Crushed, broken, and ground limestone, total-----	103,832	122,624	12,730,168	9,026,896	1,353,495	748,755	282,504	183,716	18,839,358	14,468,587
Riprap-----	-----	-----	19,623	15,760	24,092	18,098	-----	-----	51,106	68,335
Concrete and road metal-----	97,311	116,509	5,147,820	4,069,415	586,192	376,052	-----	-----	4,388,441	4,460,298
Railroad ballast-----	-----	-----	734,881	578,158	209,783	104,519	-----	-----	243,870	264,318
Metallurgical (furnace flux)	-----	-----	2,351,178	1,476,839	-----	-----	-----	-----	5,242,853	4,609,183
Refractory (ganister, mica schist, etc.)-----	-----	-----	565,510	387,392	-----	-----	-----	-----	296,252	198,889
Agricultural-----	2,671	2,785	413,862	375,697	7,522	8,948	5,372	13,292	353,405	798,570
For cement manufacture-----	-----	-----	1,366,560	827,889	458,532	174,023	238,684	117,813	7,272,672	2,885,422
For lime manufacture-----	3,850	3,350	1,279,139	983,370	66,850	66,850	-----	-----	741,803	642,378
For other uses-----	-----	-----	851,995	512,376	524	265	18,448	32,611	248,956	545,274
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)-----	(*)	4,570	(*)	40,599	-----	-----	-----	-----	(*)	28,049
Electric energy sold-----	-----	-----	-----	-----	-----	-----	-----	-----	466	2,452
Receipts for services performed for others-----	-----	-----	(*)	13,489	-----	-----	-----	-----	(*)	29,333

See footnotes at end of table.

LIMESTONE

475

TABLE 5.—QUANTITY AND VALUE OF PRODUCTS OF CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT AND BY STATE: 1939¹—Concluded

ITEM	SOUTH CAROLINA		SOUTH DAKOTA		TENNESSEE		TEXAS		UTAH		VERMONT	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total	185,036	\$239,260	26,652	\$32,093	(*)	\$1,242,833	(*)	\$1,190,311	(*)	\$214,959	(*)	\$262,901
All limestone produced, total ³	185,036	239,260	26,652	32,093	1,635,078	1,231,784	2,713,893	1,170,327	396,630	212,991	156,263	257,492
Rough-dimension limestone, total					9,394	6,814	16,995	8,390				
For use in construction:												
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.					9,394	6,814	16,995	8,390				
Rubble (cellar foundations, retaining walls, and similar low-priced stone)												
For architecture (buildings and other high-class construction work)												
For other uses												
Dressed-dimension limestone, including sawed, cut, and split stone, total			108	159								
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)			108	159								
Flagging and floors or walkway slabs												
Rough blocks used to produce dressed-dimension limestone			108	159								
Crushed, broken, and ground limestone, total	185,036	239,260	26,546	31,934	1,625,684	1,224,970	2,696,898	1,162,237	396,630	212,991	156,263	257,492
Riprap			6,881	8,810	4,115	4,106	111,923	51,722			1,214	1,214
Concrete and road metal	149,628	190,248	11,799	13,868	335,317	360,248	784,372	567,224			27,537	35,293
Railroad ballast					64,599	48,082	75,255	51,616				
Metallurgical (furnace flux)					18,147	16,816			124,327	38,672		
Refractory (ganister, mica schist, etc.)												
Agricultural	29,908	39,387			109,095	121,524	42	178			27,543	50,708
For cement manufacture					848,850	397,633	1,545,772	333,968	173,481	50,012		
For lime manufacture	5,500	9,825	5,138	6,458	236,210	245,314	186,495	138,482	87,106	71,330	67,683	151,818
For other uses			2,700	3,000	11,551	31,247	13,059	19,047	31,716	52,977	12,286	18,459
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)					(*)	11,049	(*)	19,684	(*)	1,968	(*)	5,220
Electric energy sold												
Receipts for services performed for others											(*)	189

ITEM	VIRGINIA		WASHINGTON		WEST VIRGINIA		WISCONSIN		WYOMING		LOUISIANA, NEVADA, AND RHODE ISLAND	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total	(*)	\$3,424,383	(*)	\$933,414	2,945,101	\$2,443,433	1,522,773	\$1,180,450	387,578	\$366,547	485,465	\$511,768
All limestone produced, total ³	3,672,031	3,359,195	1,563,231	915,462	2,945,101	2,443,433	1,522,773	1,180,450	387,578	366,547	485,465	511,768
Rough-dimension limestone, total	1,233	641					3,468	28,450				
For use in construction:												
Irregular shaped stone for buildings, foundations, sea walls, bridges, etc.	1,233	641					860	4,478				
Rubble (cellar foundations, retaining walls, and similar low-priced stone)							36	38				
For architecture (buildings and other high-class construction work)							2,572	23,934				
For other uses												
Dressed-dimension limestone, including sawed, cut, and split stone, total							761	2,686				
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)												
Flagging and floors or walkway slabs							761	2,686				
Rough blocks used to produce dressed-dimension limestone							761	2,686				
Crushed, broken, and ground limestone, total	3,870,748	3,357,554	1,563,231	915,462	2,945,101	2,443,433	1,518,544	1,129,314	387,578	366,547	485,465	511,768
Riprap	50,904	43,514			16,080	8,294	32,243	29,383	49,198	49,198	119,780	58,120
Concrete and road metal	1,519,870	1,361,111			491,308	536,059	1,257,340	838,166	3,977	2,410		
Railroad ballast	355,130	277,544			194,531	180,516	28,790	20,547	4,866	636		
Metallurgical (furnace flux)	475,364	484,866	23,093	22,052	1,454,295	1,168,367	24,961	22,855	240	216	514	1,143
Refractory (ganister, mica schist, etc.)					134,506	80,855						
Agricultural	242,210	349,449	10,359	42,758	49,845	55,830	70,610	83,620			5,882	8,843
For cement manufacture	514,848	294,175	1,284,639	487,677	310,583	151,481			198,635	129,250	5,253	21,012
For lime manufacture	364,971	344,900			108,955	269,038	251,434	87,318	90,447	28,393	43,986	60,592
For other uses	347,161	222,005	152,738	254,022	25,115	30,617	17,064	44,296	102,234	139,480	310,050	362,278
Secondary products (clay, sand and gravel, top soil, sandstone, etc.)	(*)	66,188	(*)	17,952								
Electric energy sold												
Receipts for services performed for others												

¹For definition of the industry see footnote 1, tables 2 and 4. ²Not significant. ³Represents the sum of "Rough-dimension limestone," "Rough blocks used to produce dressed-dimension limestone," and "Crushed, broken, and ground limestone." ⁴Thousands of kilowatt-hours.

MINERAL INDUSTRIES

TABLE 6.—NUMBER OF WAGE EARNERS AT CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY MINING METHOD, BY STATE, AND BY MONTH: 1939¹

(For producing operations only)

MINING METHOD AND STATE	Average for the 12 months	NUMBER RECEIVING PAY DURING PAY-ROLL PERIOD ENDING NEAREST THE 15TH OF THE MONTH											
		January	February	March	April	May	June	July	August	September	October	November	December
United States, total	24,482	18,270	18,746	21,138	23,823	25,705	28,982	27,322	27,495	27,969	27,468	26,031	22,854
Open quarries ²	22,230	16,504	16,921	19,078	21,622	23,425	24,665	24,930	25,029	25,439	24,952	23,639	20,559
Underground mines ³	2,252	1,766	1,825	2,058	2,201	2,280	2,317	2,392	2,466	2,530	2,516	2,392	2,275
Alabama	890	790	888	905	873	876	871	882	879	912	956	923	922
Arizona	52	51	50	52	50	51	52	53	53	54	54	54	52
Arkansas	94	84	70	58	79	60	90	94	103	103	58	103	107
California	566	493	479	513	494	528	624	688	664	661	644	602	437
Colorado	141	103	110	84	121	135	140	177	176	183	147	182	135
Connecticut	38	35	25	34	48	53	43	37	38	37	41	35	34
Florida	630	570	554	530	651	597	641	712	753	667	591	614	683
Georgia	152	155	138	139	218	195	171	162	101	130	129	129	173
Idaho	11	4	1	2	4	8	13	15	11	19	20	24	11
Illinois, total	1,409	1,023	950	1,197	1,269	1,442	1,577	1,492	1,608	1,739	1,637	1,593	1,384
Open quarries	1,318	939	887	1,099	1,178	1,351	1,486	1,396	1,523	1,638	1,542	1,495	1,296
Underground mines	91	84	63	98	91	91	91	96	85	101	95	94	88
Indiana	888	559	665	769	827	950	1,140	1,101	1,024	1,054	982	853	726
Iowa	392	275	244	253	382	443	401	422	453	429	450	433	399
Kansas	471	406	290	411	467	511	518	564	530	510	510	499	431
Kentucky, total	1,087	912	689	818	999	1,098	1,147	1,168	1,284	1,341	1,317	1,206	1,069
Open quarries	952	784	569	698	862	954	1,012	1,029	1,154	1,194	1,173	1,063	937
Underground mines	135	128	120	120	137	144	135	139	130	147	144	143	132
Maine	74	47	49	55	72	94	94	81	79	80	80	79	76
Maryland	232	230	236	238	241	245	248	229	238	223	228	219	207
Massachusetts	185	125	125	145	181	210	174	157	151	152	156	154	133
Michigan	1,371	737	1,131	1,181	1,324	1,445	1,527	1,546	1,530	1,560	1,559	1,549	1,382
Minnesota	109	26	30	65	115	147	162	169	124	151	143	125	59
Missouri, total	1,787	1,363	1,279	1,480	1,853	1,997	1,859	1,978	1,966	1,950	1,896	2,005	1,581
Open quarries	1,403	1,080	990	1,136	1,524	1,641	1,513	1,575	1,525	1,499	1,508	1,622	1,231
Underground mines	384	283	289	344	329	356	346	401	441	451	390	383	350
Montana	64	59	46	80	61	63	65	71	63	60	70	70	55
Nebraska	176	55	51	140	165	201	180	241	197	237	329	237	84
New Jersey	100	31	100	108	104	109	113	110	108	104	107	104	108
New York, total	1,414	908	791	1,042	1,293	1,580	1,780	1,792	1,741	1,746	1,711	1,447	1,181
Open quarries	1,348	865	749	981	1,222	1,489	1,676	1,707	1,658	1,666	1,635	1,395	1,136
Underground mines	66	43	42	61	71	71	84	85	83	80	76	52	45
North Carolina	106	89	96	116	134	118	130	115	115	118	113	62	62
Ohio, total	2,439	1,783	1,829	2,021	2,251	2,480	2,577	2,873	2,836	2,924	2,839	2,738	2,314
Open quarries	2,306	1,720	1,734	1,868	2,095	2,321	2,416	2,514	2,679	2,784	2,678	2,623	2,239
Underground mines	133	63	95	153	156	159	161	159	157	140	161	115	75
Oklahoma	314	297	315	340	338	306	286	311	311	313	318	319	313
Oregon	54	40	31	31	55	64	69	66	68	24	42	80	76
Pennsylvania, total	4,398	3,155	3,312	3,756	4,274	4,513	4,825	4,852	4,836	5,029	5,064	4,795	4,368
Open quarries	3,653	2,619	2,749	3,145	3,547	3,760	4,055	4,082	4,038	4,158	4,188	3,954	3,541
Underground mines	745	536	563	611	727	753	770	770	800	871	876	841	827
South Carolina	154	156	171	174	199	192	204	179	147	134	98	100	99
South Dakota	19	8	11	11	28	32	30	23	13	18	21	19	11
Tennessee, total	595	462	490	540	558	627	639	641	652	629	675	634	589
Open quarries	501	380	408	455	463	532	545	546	552	532	573	533	467
Underground mines	94	82	82	85	95	95	94	95	100	97	102	101	102
Texas	536	580	614	607	557	528	576	541	564	537	456	467	421
Utah	75	42	56	54	63	79	105	98	86	92	95	83	53
Vermont	84	50	47	64	67	114	133	96	95	66	87	73	75
Virginia	1,561	1,298	1,372	1,555	1,639	1,721	1,682	1,871	1,745	1,733	1,800	1,434	1,286
Washington	314	242	230	266	308	334	326	304	320	374	360	351	331
West Virginia, total	940	653	715	797	862	922	1,040	1,053	1,049	1,072	1,157	1,027	930
Open quarries	666	431	475	542	613	660	733	741	731	771	848	749	693
Underground mines	274	222	238	255	249	262	310	312	318	301	309	278	237
Wisconsin	374	214	226	268	340	361	470	491	493	456	449	415	286
Wyoming	139	103	95	103	121	154	175	197	192	174	153	112	109
Louisiana, Nevada, and Rhode Island	117	117	149	140	118	104	105	102	99	154	146	83	84

¹For definition of the industry see footnote 1, tables 2 and 4.²Figures represent wage earners at all open quarries, including those in Alabama, California, Georgia, Iowa, Kansas, Oregon, and Wyoming for which data by mining methods are not shown separately. In other States for which mining methods are not shown all operations were classified as open quarries. Figures also include wage earners at 29 combination open quarries and underground mines at which the open-quarry mining method predominated, and those at 3 dredging operations producing marl.³Figures represent wage earners at all underground mines, including those in Alabama, California, Georgia, Iowa, Kansas, Oregon, and Wyoming for which data by mining methods are not shown separately.

LIMESTONE

477

TABLE 7.—EMPLOYMENT AND WORKING TIME AT CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES,
BY DEPARTMENT AND BY STATE: 1939¹

(For producing operations only)

DEPARTMENT	United States	Alabama	Arizona	Arkansas	California	Colorado	Connecticut
Average number of wage earners on active days, total-----	28,231	849	52	107	633	201	45
At quarries and mines, total-----	21,573	721	47	88	536	171	34
Underground-----	2,060	667	46	88	101	166	34
Open-cut-----	17,832	54	1	-----	118	5	-----
Surface shops and yards-----	1,681	54	1	-----	118	5	-----
At preparation plants (crushing, screening, washing, and storage)-----	6,658	128	5	19	97	30	11
Average number of equivalent full days operations were active-----	206	265	318	184	236	171	190
At quarries and mines-----	208	266	318	181	238	176	186
Underground-----	225	262	318	181	277	178	186
Open-cut-----	205	318	312	-----	232	126	-----
Surface shops and yards-----	221	318	312	-----	220	126	-----
At preparation plants (crushing, screening, washing, and storage)-----	201	255	317	196	230	141	201
Number of man-shifts worked by wage earners, total-----	6,065,605	230,033	16,527	19,935	150,363	35,511	8,535
On active days, total-----	5,822,206	224,782	16,527	19,670	149,614	34,364	8,535
At quarries and mines, total-----	4,484,050	192,153	14,942	15,942	127,338	30,138	6,323
Underground-----	463,249	174,965	14,630	15,942	27,987	29,508	6,323
Open-cut-----	3,648,752	17,188	812	-----	73,398	630	-----
Surface shops and yards-----	372,049	17,188	812	-----	25,953	630	-----
At preparation plants (crushing, screening, washing, and storage)-----	1,338,156	32,629	1,585	3,728	22,276	4,226	2,212
On inactive days-----	243,399	5,251	-----	265	749	1,147	-----
Number of man-hours worked by wage earners, total-----	48,901,227	1,795,235	129,792	159,470	1,200,272	270,326	67,059
On active days, total-----	46,891,133	1,753,226	129,792	157,350	1,194,280	261,150	67,059
At quarries and mines, total-----	36,025,470	1,502,755	117,116	127,526	1,015,475	229,199	49,712
Underground-----	3,676,695	1,327,154	114,620	127,526	222,649	224,159	49,712
Open-cut-----	29,296,615	175,601	2,496	-----	585,746	5,040	-----
Surface shops and yards-----	3,052,160	175,601	2,496	-----	207,080	5,040	-----
At preparation plants (crushing, screening, washing, and storage)-----	10,855,668	250,471	12,676	29,824	178,805	31,951	17,347
On inactive days-----	2,010,094	42,009	-----	2,120	5,992	9,176	-----
DEPARTMENT	Florida	Georgia	Idaho	Illinois	Indiana	Iowa	Kansas
Average number of wage earners on active days, total-----	723	250	16	1,552	1,134	448	547
At quarries and mines, total-----	514	167	10	1,060	823	310	413
Underground-----	-----	167	10	56	715	303	409
Open-cut-----	463	-----	-----	896	-----	-----	-----
Surface shops and yards-----	51	-----	-----	108	108	7	4
At preparation plants (crushing, screening, washing, and storage)-----	209	68	6	492	311	138	134
Average number of equivalent full days operations were active-----	186	157	117	205	170	197	202
At quarries and mines-----	194	163	123	201	170	193	206
Underground-----	194	163	123	262	169	192	206
Open-cut-----	194	-----	-----	195	-----	-----	-----
Surface shops and yards-----	191	-----	-----	218	178	225	258
At preparation plants (crushing, screening, washing, and storage)-----	169	146	105	214	169	206	184
Number of man-shifts worked by wage earners, total-----	145,040	39,235	2,017	336,346	214,104	92,126	114,873
On active days, total-----	134,768	39,235	1,865	318,152	192,616	88,056	110,663
At quarries and mines, total-----	99,533	27,141	1,233	213,080	139,991	59,688	85,999
Underground-----	-----	27,141	1,233	14,661	120,749	58,112	84,969
Open-cut-----	89,775	-----	-----	174,895	-----	-----	-----
Surface shops and yards-----	9,758	-----	-----	23,524	19,242	1,576	1,030
At preparation plants (crushing, screening, washing, and storage)-----	35,235	12,094	632	105,072	52,625	28,368	24,664
On inactive days-----	10,272	-----	152	18,194	21,488	4,070	4,210
Number of man-hours worked by wage earners, total-----	1,296,067	325,973	15,376	2,696,362	1,748,242	765,461	912,638
On active days, total-----	1,195,491	325,973	14,312	2,540,668	1,574,193	732,800	877,936
At quarries and mines, total-----	869,947	225,400	9,408	1,696,953	1,140,713	495,949	682,667
Underground-----	-----	225,400	9,408	117,289	980,584	481,101	674,428
Open-cut-----	772,909	-----	-----	1,390,453	-----	-----	-----
Surface shops and yards-----	97,038	-----	-----	188,205	160,179	14,848	8,239
At preparation plants (crushing, screening, washing, and storage)-----	325,544	100,573	4,904	844,715	433,480	236,851	195,269
On inactive days-----	100,576	-----	1,064	155,694	174,049	32,661	34,702

¹ For definition of the industry see footnote 1, tables 2 and 4.

MINERAL INDUSTRIES

TABLE 7.—EMPLOYMENT AND WORKING TIME AT CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY DEPARTMENT AND BY STATE: 1939¹—Continued

(For producing operations only)

DEPARTMENT	Kentucky	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri
Average number of wage earners on active days, total-----	1,227	82	234	172	1,572	169	2,227
At quarries and mines, total-----	923	59	179	122	1,234	124	1,832
Underground-----	101	-----	-----	-----	-----	-----	344
Open-cut-----	790	59	179	110	1,007	114	1,463
Surface shops and yards-----	32	-----	-----	12	227	10	25
At preparation plants (crushing, screening, washing, and storage)-----	304	23	55	50	338	45	392
Average number of equivalent full days operations were active-----	178	229	241	239	214	132	180
At quarries and mines-----	181	232	235	237	213	134	178
Underground-----	167	-----	-----	-----	-----	-----	211
Open-cut-----	184	232	235	231	205	133	170
Surface shops and yards-----	169	-----	-----	284	249	137	172
At preparation plants (crushing, screening, washing, and storage)-----	167	221	259	245	217	127	188
Number of man-shifts worked by wage earners, total-----	233,676	18,784	56,401	41,259	355,109	23,632	414,893
On active days, total-----	218,250	18,784	56,373	41,099	336,337	22,250	399,525
At quarries and mines, total-----	167,492	13,703	42,119	28,870	262,973	16,556	325,798
Underground-----	16,906	-----	-----	-----	-----	-----	72,695
Open-cut-----	145,165	13,703	42,119	25,464	206,396	15,191	245,795
Surface shops and yards-----	5,421	-----	-----	3,406	56,577	1,365	4,308
At preparation plants (crushing, screening, washing, and storage)-----	50,758	5,081	14,254	12,229	73,364	5,694	74,127
On inactive days-----	15,426	-----	28	160	18,772	1,382	14,968
Number of man-hours worked by wage earners, total-----	2,006,725	150,287	454,459	308,764	2,840,818	194,886	3,233,643
On active days, total-----	1,864,434	150,287	454,209	307,420	2,690,685	184,345	3,113,851
At quarries and mines, total-----	1,429,315	109,637	339,257	217,565	2,103,784	136,093	2,525,740
Underground-----	149,839	-----	-----	-----	-----	-----	546,730
Open-cut-----	1,231,630	109,637	339,257	193,425	1,851,170	125,173	1,944,001
Surface shops and yards-----	49,846	-----	-----	24,140	452,614	10,920	35,009
At preparation plants (crushing, screening, washing, and storage)-----	435,119	40,650	114,952	89,855	586,901	48,252	588,111
On inactive days-----	142,291	-----	250	1,344	150,133	10,541	119,792

DEPARTMENT	Montana	Nebraska	New Jersey	New York	North Carolina	Ohio	Oklahoma
Average number of wage earners on active days, total-----	96	232	102	1,924	99	2,929	319
At quarries and mines, total-----	88	220	96	1,422	72	2,046	236
Underground-----	-----	-----	-----	60	-----	152	-----
Open-cut-----	86	220	96	1,208	72	1,664	221
Surface shops and yards-----	2	-----	-----	154	-----	230	15
At preparation plants (crushing, screening, washing, and storage)-----	8	12	6	502	27	883	83
Average number of equivalent full days operations were active-----	164	224	282	192	240	201	221
At quarries and mines-----	151	220	285	200	238	203	221
Underground-----	-----	-----	-----	247	-----	217	-----
Open-cut-----	154	220	285	190	238	197	226
Surface shops and yards-----	20	-----	-----	259	-----	233	151
At preparation plants (crushing, screening, washing, and storage)-----	303	303	235	168	244	196	210
Number of man-shifts worked by wage earners, total-----	15,871	52,071	28,786	382,198	23,924	630,799	71,289
On active days, total-----	15,738	52,071	28,786	368,465	23,716	587,759	70,851
At quarries and mines, total-----	13,315	48,430	27,377	283,923	17,123	414,687	52,222
Underground-----	-----	-----	-----	14,803	-----	32,964	-----
Open-cut-----	13,275	48,430	27,377	229,174	17,123	328,208	49,964
Surface shops and yards-----	40	-----	-----	39,946	-----	53,515	2,258
At preparation plants (crushing, screening, washing, and storage)-----	2,428	3,641	1,409	84,542	6,593	173,082	18,129
On inactive days-----	133	-----	-----	13,733	208	43,030	936
Number of man-hours worked by wage earners, total-----	130,192	420,700	236,475	3,107,634	182,800	5,093,975	562,797
On active days, total-----	129,128	420,700	236,475	2,996,857	181,968	4,738,064	555,290
At quarries and mines, total-----	109,736	390,100	223,955	2,310,492	129,830	3,326,185	414,505
Underground-----	-----	-----	-----	118,426	-----	249,181	-----
Open-cut-----	109,420	390,100	223,955	1,869,200	129,830	2,645,813	395,231
Surface shops and yards-----	316	-----	-----	322,856	-----	432,191	18,224
At preparation plants (crushing, screening, washing, and storage)-----	19,392	30,600	12,510	686,365	52,138	1,411,879	140,785
On inactive days-----	1,064	-----	-----	110,777	832	345,911	7,507

¹For definition of the industry see footnote 1, tables 2 and 4.

TABLE 7.—EMPLOYMENT AND WORKING TIME AT CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY DEPARTMENT AND BY STATE: 1939¹—Continued

(For producing operations only)

DEPARTMENT	Oregon	Pennsylvania	South Carolina	South Dakota	Tennessee	Texas	Utah
Average number of wage earners on active days, total-----	68	4,762	178	28	673	537	94
At quarries and mines, total-----	58	3,772	115	24	547	433	72
Underground-----	51	336	100	24	96	433	73
Open-cut-----	7	2,828	15	-----	441	-----	1
Surface shops and yards-----	7	308	-----	-----	10	-----	-----
At preparation plants (crushing, screening, washing, and storage)-----	10	990	63	4	126	104	20
Average number of equivalent full days operations were active-----	211	217	202	132	202	238	194
At quarries and mines-----	218	218	196	125	205	241	191
Underground-----	227	208	190	-----	255	-----	-----
Open-cut-----	155	222	237	125	192	241	192
Surface shops and yards-----	155	204	-----	-----	232	-----	120
At preparation plants (crushing, screening, washing, and storage)-----	167	214	214	172	187	228	207
Number of man-shifts worked by wage earners, total-----	15,128	1,071,629	36,216	3,705	140,642	131,094	18,549
On active days, total-----	14,339	1,034,299	36,017	3,705	135,979	127,945	18,276
At quarries and mines, total-----	12,668	822,687	22,516	3,019	112,379	104,276	14,133
Underground-----	11,582	132,327	18,961	-----	25,405	-----	-----
Open-cut-----	1,086	627,439	3,555	3,019	84,655	104,276	14,013
Surface shops and yards-----	1,671	62,921	-----	-----	2,319	-----	120
At preparation plants (crushing, screening, washing, and storage)-----	789	211,612	13,501	686	23,600	23,569	4,143
On inactive days-----	6,265	37,330	199	-----	4,663	3,149	373
Number of man-hours worked by wage earners, total-----	110,596	8,681,067	317,487	29,636	1,133,107	1,033,172	143,653
On active days, total-----	104,331	8,375,375	316,393	29,636	1,095,683	1,005,111	140,684
At quarries and mines, total-----	91,339	6,651,468	203,706	24,148	905,312	811,497	108,314
Underground-----	83,512	1,070,156	175,266	-----	201,612	-----	-----
Open-cut-----	7,827	5,074,496	28,440	24,148	685,139	811,497	107,354
Surface shops and yards-----	12,992	506,814	-----	-----	18,561	-----	960
At preparation plants (crushing, screening, washing, and storage)-----	6,265	1,723,907	112,687	5,488	190,371	193,614	32,370
On inactive days-----	6,265	305,692	1,094	-----	37,424	28,061	2,984

DEPARTMENT	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming	Louisiana, Nevada, and Rhode Island
Average number of wage earners on active days, total-----	92	1,707	338	1,002	531	164	116
At quarries and mines, total-----	75	1,242	312	795	372	147	60
Underground-----	71	1,217	305	257	327	140	47
Open-cut-----	4	25	7	462	45	7	13
Surface shops and yards-----	17	465	26	76	159	17	56
At preparation plants (crushing, screening, washing, and storage)-----	265	228	227	228	164	198	294
Average number of equivalent full days operations were active-----	273	228	230	227	173	191	269
At quarries and mines-----	273	228	230	227	173	191	269
Underground-----	273	228	231	255	172	189	271
Open-cut-----	266	233	194	216	178	235	260
Surface shops and yards-----	229	228	199	233	143	254	322
At preparation plants (crushing, screening, washing, and storage)-----	24,404	396,794	77,532	234,145	95,066	32,415	34,849
Number of man-shifts worked by wage earners, total-----	24,344	389,560	76,852	228,363	87,193	32,415	34,158
On active days, total-----	20,454	283,325	71,680	180,204	64,410	28,095	16,115
At quarries and mines, total-----	19,384	277,511	70,324	65,520	56,398	26,451	12,735
Underground-----	1,070	5,814	1,356	99,961	8,012	1,644	3,380
Open-cut-----	3,890	106,235	5,172	14,723	-----	-----	-----
Surface shops and yards-----	60	7,234	680	48,159	7,873	-----	691
At preparation plants (crushing, screening, washing, and storage)-----	196,123	3,223,241	618,452	1,869,230	743,147	259,299	246,574
Number of man-hours worked by wage earners, total-----	195,583	3,163,832	613,013	1,823,382	679,822	259,299	241,046
On active days, total-----	164,337	2,282,283	571,708	1,436,914	497,806	224,737	123,877
At quarries and mines, total-----	155,777	2,235,383	560,863	521,345	436,009	211,606	96,837
Underground-----	8,560	46,900	10,845	798,137	61,797	13,131	27,040
Open-cut-----	31,246	881,549	41,305	117,432	-----	-----	-----
Surface shops and yards-----	540	59,409	5,439	386,468	63,325	-----	117,169
At preparation plants (crushing, screening, washing, and storage)-----	540	59,409	5,439	45,845	-----	-----	5,522
On inactive days-----	540	59,409	5,439	45,845	-----	-----	5,522

¹For definition of the industry see footnote 1, tables 2 and 4.

MINERAL INDUSTRIES

TABLE 8.—NUMBER OF CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES WORKING ONE, TWO, OR THREE SHIFTS, AND NUMBER OF MAN-SHIFTS WORKED, BY SHIFT AND BY STATE: 1939¹

(For producing operations only)

ITEM	UNITED STATES		Alabama	Arizona	Arkansas	California	Colorado	Connecticut	Florida	Georgia	Idaho	Illinois	Indiana	Iowa
	Number	Percent of total												
Number of quarries and mines, total-----	1,192	100.0	21	4	9	21	14	4	28	10	4	71	70	38
Working 1 shift per day-----	1,109	93.0	16	3	9	17	12	3	27	9	4	64	68	36
Working 2 shifts per day-----	47	4.0	1	---	---	2	2	1	---	---	---	5	1	1
Working 3 shifts per day-----	36	3.0	4	1	---	2	---	---	1	---	---	2	1	1
Number of man-shifts worked by wage earners on active days, total-----	2 5,822,206	100.0	224,782	16,527	19,670	149,614	34,364	8,535	134,768	39,235	1,865	318,152	192,516	88,056
During first shift-----	5,543,335	95.2	207,371	12,483	19,670	140,954	33,057	7,863	130,121	37,278	1,865	311,391	191,933	83,760
During second shift-----	218,549	3.8	15,991	2,206	---	6,165	1,297	672	4,647	---	---	6,254	518	4,066
During third shift-----	60,049	1.0	1,420	1,838	---	2,495	---	---	652	---	---	507	165	230
At quarries and mines, total-----	2 4,484,050	100.0	192,153	14,942	15,942	127,338	30,138	6,323	99,533	27,141	1,233	213,080	139,991	59,688
During first shift-----	4,288,593	95.6	177,738	10,898	15,942	121,704	29,506	5,843	98,206	26,688	1,233	207,334	139,397	57,129
During second shift-----	155,919	3.5	12,995	2,206	---	5,254	692	480	1,327	---	---	5,239	429	2,569
During third shift-----	39,265	0.9	1,420	1,838	---	380	---	---	151	---	---	507	165	---
At preparation plants, total-----	1,338,156	100.0	32,629	1,585	3,728	22,276	4,226	2,212	35,235	12,094	632	105,072	52,625	28,368
During first shift-----	1,254,742	93.8	29,633	1,585	3,728	19,250	3,561	2,020	31,915	10,590	632	104,057	52,536	26,631
During second shift-----	62,630	4.7	2,996	---	---	911	665	192	3,320	---	---	1,015	89	1,507
During third shift-----	20,784	1.5	---	---	---	2,115	---	---	501	---	---	---	---	230

ITEM	Kansas	Kentucky	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri	Montana	Nebraska	New Jersey	New York	North Carolina	Ohio
Number of quarries and mines, total-----	27	56	3	12	7	16	10	80	7	12	6	62	3	139
Working 1 shift per day-----	26	54	2	12	4	13	9	75	7	12	6	57	3	129
Working 2 shifts per day-----	1	2	1	---	2	1	1	3	---	---	---	---	---	8
Working 3 shifts per day-----	---	---	---	---	1	2	---	2	---	---	---	5	---	2
Number of man-shifts worked by wage earners on active days, total-----	110,663	218,250	18,784	56,373	41,099	336,337	22,250	2 399,925	15,738	52,071	28,786	368,465	23,716	587,769
During first shift-----	110,145	215,528	16,205	56,373	39,202	258,267	21,830	391,889	15,738	52,071	28,786	360,977	23,716	556,143
During second shift-----	518	2,722	2,579	---	1,287	59,480	420	7,037	---	---	---	4,124	---	26,678
During third shift-----	---	---	---	---	610	18,590	---	726	---	---	---	3,364	---	4,948
At quarries and mines, total-----	85,999	167,492	13,703	42,119	28,870	262,973	16,556	2 325,798	13,315	48,430	27,377	283,923	17,123	414,687
During first shift-----	85,740	165,301	12,419	42,119	28,480	205,045	16,556	320,291	13,315	48,430	27,377	276,435	17,123	397,483
During second shift-----	259	2,191	1,284	---	390	46,109	---	5,051	---	---	---	4,124	---	14,838
During third shift-----	---	---	---	---	---	11,819	---	183	---	---	---	3,364	---	2,366
At preparation plants, total-----	24,664	50,758	5,081	14,254	12,229	73,364	5,694	74,127	2,423	3,641	1,409	84,542	6,593	173,082
During first shift-----	24,405	50,227	3,786	14,254	10,722	53,222	5,274	71,598	2,423	3,641	1,409	84,542	6,593	158,660
During second shift-----	259	531	1,295	---	897	13,371	420	1,986	---	---	---	---	---	11,840
During third shift-----	---	---	---	---	610	6,771	---	543	---	---	---	---	---	2,582

ITEM	Oklahoma	Oregon	Pennsylvania	South Carolina	South Dakota	Tennessee	Texas	Utah	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming	Louisiana, Nevada, and Rhode Island
Number of quarries and mines, total-----	19	4	184	4	4	37	24	10	10	61	18	25	49	6	3
Working 1 shift per day-----	18	4	176	4	4	35	23	10	10	58	15	20	48	6	1
Working 2 shifts per day-----	---	---	5	---	---	---	1	---	---	---	2	3	1	---	2
Working 3 shifts per day-----	1	---	3	---	---	2	---	---	---	3	1	2	---	---	---
Number of man-shifts worked by wage earners on active days, total-----	70,351	14,339	1,034,299	36,017	3,705	135,979	127,945	18,276	24,344	389,560	76,852	228,363	87,193	32,415	34,153
During first shift-----	67,604	14,339	1,015,795	36,017	3,705	134,733	126,669	18,276	24,344	380,062	74,563	172,780	85,488	32,415	30,919
During second shift-----	1,972	---	15,784	---	---	705	1,276	---	---	5,502	2,195	38,205	1,705	---	3,289
During third shift-----	775	---	1,720	---	---	541	---	---	---	3,996	94	17,378	---	---	---
At quarries and mines, total-----	52,222	12,668	822,687	22,516	3,019	112,379	104,276	14,133	20,454	283,325	71,680	180,204	64,410	28,095	16,115
During first shift-----	50,672	12,668	810,087	22,516	3,019	111,133	103,637	14,133	20,454	282,138	69,747	133,736	63,558	28,095	15,289
During second shift-----	775	---	12,401	---	---	705	639	---	---	844	1,933	31,254	652	---	847
During third shift-----	---	---	199	---	---	541	---	---	---	343	---	15,214	---	---	---
At preparation plants, total-----	18,129	1,671	211,612	13,501	686	23,600	23,669	4,143	3,890	106,235	5,172	48,159	22,783	4,320	18,043
During first shift-----	16,932	1,671	206,708	13,501	686	23,600	23,032	4,143	3,890	97,924	4,816	39,044	21,930	4,320	15,651
During second shift-----	1,197	---	3,383	---	---	637	---	---	---	4,558	262	6,951	553	---	2,332
During third shift-----	---	---	1,521	---	---	---	---	---	---	3,653	94	2,164	---	---	---

¹For definition of the industry see footnotes 1, tables 2 and 4.²Includes statistics for 1 quarry in Missouri that worked a fourth shift.

TABLE 9.—QUANTITY OF FUEL AND ELECTRIC ENERGY CONSUMED AT CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939 ¹

(For producing operations only)

TYPE OF OPERATION AND STATE	FUEL					ELECTRIC ENERGY (thousands of kilowatt-hours)		
	Anthracite (tons of 2,000 pounds)	Bituminous coal (tons of 2,000 pounds)	Fuel oils (barrels of 42 gallons)	Gasoline and kerosene (gallons)	Natural gas (thousands of cubic feet)	Total	Purchased	Generated by reporting companies
United States, total-----	8,233	358,233	215,163	11,996,257	90,622	338,259	264,113	74,146
TYPE OF OPERATION								
Quarries and mines, total-----	1,040	16,171	13,025	537,798	880	14,279	7,924	6,355
Underground mines-----				7,583		3,622	3,622	
Open quarries-----	1,040	16,159	13,025	521,004	880	9,866	5,511	6,355
Combination (underground and open-cut) quarries and mines-----		12		9,211		791	791	
Quarries and mines and preparation plants operated together, total-----	7,193	342,062	202,138	11,458,459	89,742	323,980	256,189	67,791
Underground mines-----		11,596	3,924	582,097	27,711	39,088	39,562	2,526
Open quarries-----	7,184	321,337	193,352	10,651,377	39,398	274,355	213,252	61,103
Combination (underground and open-cut) quarries and mines-----	9	9,139	4,862	224,985	22,533	10,537	6,375	4,162
STATE								
Alabama-----		6,425	9,011	80,106		23,839	23,011	828
Arizona-----	4,028			50,251		144	126	18
Arkansas-----		625	286	48,058	700	518	518	
California-----			29,404	186,889		9,634	6,899	2,735
Colorado-----		1,175		41,177		1,000	270	730
Connecticut-----		26	86	3,049		417	417	
Florida-----		2,971	17,294	233,923		3,097	2,644	453
Georgia-----		1,694	314	32,215		1,449	1,070	379
Idaho-----		113	70	8,654		47	47	
Illinois-----		31,703	9,002	1,093,208	24,721	21,469	13,139	8,330
Indiana-----		21,526	3,738	339,297		7,251	6,406	845
Iowa-----		4,540	560	410,551	18,019	4,667	1,827	2,840
Kansas-----		4,802	133	252,036	6,250	5,241	2,904	2,337
Kentucky-----		16,585	5,717	560,834	252	10,321	3,931	6,390
Maine-----				3,285		1,133	1,133	
Maryland-----		1,479	70	119,541		2,532	962	1,550
Massachusetts-----	3	730	661	29,165		1,083	1,071	12
Michigan-----		62,207	2,844	142,076		31,975	15,109	16,866
Minnesota-----		504	762	170,540		738	738	
Missouri-----	495	4,816	3,542	1,224,671	26,634	12,059	9,755	2,304
Montana-----			108	12,657		1,239	1,239	
Nebraska-----		265	2,331	56,998		1,076	1,076	
New Jersey-----	318	958	1,956	42,659		4,276	619	3,657
New York-----	12	29,780	13,275	838,652		34,247	30,258	3,989
North Carolina-----		922		9,300		187	187	
Ohio-----	1,162	70,615	40,407	1,214,123	6,254	32,461	26,442	6,039
Oklahoma-----		3,512	305	105,591	3,063	4,509	1,615	2,894
Oregon-----			51	10,442		400	400	
Pennsylvania-----	2,189	50,354	48,240	2,631,708	3,789	70,833	61,739	9,094
South Carolina-----		113	341	33,632		684	684	
South Dakota-----				5,695		21	21	
Tennessee-----		4,902	5,674	115,378		5,703	5,703	
Texas-----		2,208	4,182	259,637	880	4,247	4,053	194
Texas-----				78,765		602	602	
Utah-----	11	9	537	16,050		591	562	29
Vermont-----		40	105					
Virginia-----		20,272	1,550	383,629		12,664	12,248	416
Washington-----	4	427	2,158	65,506		3,104	2,021	1,083
West Virginia-----		7,561	290	124,943		17,845	17,735	110
Wisconsin-----	3	2,462	1,686	536,914		3,797	3,797	
Wyoming-----		1,732		37,321		10	10	
Wyoming-----				17,102		1,129	1,105	24
Louisiana, Nevada, and Rhode Island-----			8,431					

¹For definition of the industry see footnote 1, tables 2 and 4.

MINERAL INDUSTRIES

TABLE 10.--NUMBER AND HORSEPOWER RATING OF PRIME MOVERS AND ELECTRIC MOTORS AT CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939¹

(For producing operations only)

TYPE OF OPERATION, STATE, AND TYPE OF EQUIPMENT	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY										ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED BY REPORTING COMPANIES		
	Aggregate horsepower	Prime movers						Electric motors driven by pur- chased energy					
		Total		Driving generators		Not driving generators		Ordinarily idle (included in pre- ceding columns)		Number			Horse- power
Number	Horse- power	Number	Horse- power	Number	Horse- power	Number	Horse- power	Number	Horse- power	Number	Horse- power		
United States, total-----	756,332	5,459	373,969	92	45,213	5,367	328,756	155	15,276	10,720	382,363	1,996	92,679
Stationary-----	403,761	944	90,401	81	44,107	863	46,294	51	2,418	9,293	313,360	1,458	67,658
Mobile-----	352,551	4,515	283,568	11	1,106	4,504	282,462	104	10,858	1,427	68,963	538	25,021
TYPE OF OPERATION													
Quarries and mines only, total-----	27,211	519	17,947	4	457	315	17,490	6	544	308	9,264	121	5,014
Stationary-----	9,200	57	2,584	2	266	55	2,298	-----	-----	236	6,656	68	2,766
Mobile-----	18,011	262	15,363	2	191	260	15,192	6	544	72	2,628	53	2,246
Underground mines, total-----	3,361	8	460	-----	-----	8	460	2	66	105	2,901	-----	-----
Stationary-----	2,121	-----	-----	-----	-----	-----	-----	-----	-----	83	2,121	-----	-----
Mobile-----	1,240	8	460	-----	-----	8	460	2	66	22	780	-----	-----
Open quarries, total-----	22,416	301	17,033	4	457	297	16,576	4	478	160	5,363	121	5,014
Stationary-----	6,024	54	2,469	2	266	52	2,223	-----	-----	130	3,535	68	2,768
Mobile-----	16,392	247	14,544	2	191	245	14,353	4	478	50	1,848	53	2,246
Combination (underground and open- cut) quarries and mines, total-----	1,434	10	454	-----	-----	10	454	-----	-----	23	960	-----	-----
Stationary-----	1,055	3	75	-----	-----	3	75	-----	-----	23	960	-----	-----
Mobile-----	379	7	379	-----	-----	7	379	-----	-----	-----	-----	-----	-----
Quarries and mines and preparation plants operated together, total-----	729,121	5,140	356,022	88	44,756	5,052	311,266	149	12,732	10,412	373,099	1,875	87,665
Stationary-----	394,561	287	87,837	79	43,841	808	43,996	51	2,418	9,057	306,744	1,390	64,890
Mobile-----	334,540	4,253	268,185	9	915	4,244	267,270	98	10,314	1,355	66,355	485	22,775
Underground mines, total-----	49,719	277	17,365	10	2,087	267	15,296	5	240	748	32,334	165	4,367
Stationary-----	27,221	75	5,146	10	2,087	65	3,059	2	165	555	22,075	113	3,787
Mobile-----	22,498	202	12,239	-----	-----	202	12,239	3	75	193	10,259	52	580
Open quarries, total-----	659,802	4,734	327,789	76	42,269	4,658	285,520	137	12,249	9,442	332,013	1,631	77,911
Stationary-----	358,528	802	81,286	67	41,354	735	39,932	49	2,253	8,321	277,242	1,199	55,741
Mobile-----	301,274	3,932	246,503	9	915	3,923	245,588	88	9,996	1,121	54,771	432	22,710
Combination (underground and open- cut) quarries and mines, total-----	19,600	129	10,848	2	400	127	10,448	7	243	222	8,752	79	5,367
Stationary-----	8,632	10	1,405	2	400	8	1,005	-----	-----	181	7,427	78	5,362
Mobile-----	10,768	119	9,443	-----	-----	119	9,443	7	243	41	1,325	1	25
STATE													
Alabama, total-----	24,621	39	3,638	1	330	38	3,308	5	465	353	20,963	7	550
Stationary-----	17,742	1	330	1	330	-----	-----	1	330	276	17,412	7	550
Mobile-----	6,879	38	3,308	-----	-----	38	3,308	4	135	77	3,551	-----	-----
Arizona, total-----	1,297	14	1,167	1	100	13	1,057	-----	-----	2	130	2	85
Stationary-----	125	2	125	1	100	1	25	-----	-----	-----	-----	-----	50
Mobile-----	1,172	12	1,042	-----	-----	12	1,042	-----	-----	2	130	1	35
Arkansas, total-----	1,866	14	966	-----	-----	14	966	1	60	15	720	-----	-----
Stationary-----	701	5	296	-----	-----	5	296	-----	-----	10	405	-----	-----
Mobile-----	985	9	670	-----	-----	9	670	1	60	5	315	-----	-----
California, total-----	13,888	109	4,957	1	90	108	4,867	-----	-----	227	8,731	49	3,930
Stationary-----	8,250	39	1,129	1	90	38	1,099	-----	-----	179	7,061	49	3,930
Mobile-----	5,438	70	3,768	-----	-----	70	3,768	-----	-----	48	1,670	-----	-----
Colorado, total-----	2,598	27	1,602	-----	-----	27	1,602	-----	-----	30	996	17	1,187
Stationary-----	855	7	159	-----	-----	7	159	-----	-----	22	696	6	705
Mobile-----	1,743	20	1,443	-----	-----	20	1,443	-----	-----	8	300	11	482
Connecticut (stationary only)-----	728	1	140	-----	-----	1	140	-----	-----	34	588	-----	-----
Florida, total-----	11,736	136	7,620	2	380	136	7,240	2	120	72	4,116	10	251
Stationary-----	5,107	22	1,741	2	380	20	1,361	1	40	61	3,366	10	251
Mobile-----	6,629	116	5,879	-----	-----	116	5,879	1	80	11	750	-----	-----
Georgia, total-----	3,148	28	1,503	-----	-----	28	1,503	-----	-----	28	1,645	12	703
Stationary-----	1,915	2	300	-----	-----	2	300	-----	-----	26	1,615	12	703
Mobile-----	1,233	26	1,203	-----	-----	26	1,203	-----	-----	2	30	-----	-----
Idaho, total-----	612	5	344	-----	-----	5	344	-----	-----	12	268	-----	-----
Stationary-----	308	1	40	-----	-----	1	40	-----	-----	-----	-----	-----	-----
Mobile-----	304	4	304	-----	-----	4	304	-----	-----	12	268	-----	-----
Illinois, total-----	57,957	530	31,140	10	2,628	520	28,512	21	1,220	753	26,817	190	8,012
Stationary-----	32,114	102	7,908	9	2,543	93	5,365	6	570	663	24,206	131	5,442
Mobile-----	25,843	428	23,232	1	85	427	23,147	15	650	90	2,611	59	2,570
Indiana, total-----	28,616	345	16,342	4	605	341	15,737	6	463	470	12,274	18	1,097
Stationary-----	14,595	44	2,971	2	560	42	2,611	2	360	450	11,624	7	700
Mobile-----	14,021	301	13,371	2	245	299	13,126	4	103	20	650	11	397
Iowa, total-----	11,463	143	7,117	-----	-----	143	7,117	5	158	149	4,346	63	3,774
Stationary-----	4,175	13	640	-----	-----	13	640	-----	-----	113	3,555	46	2,723
Mobile-----	7,288	130	6,477	-----	-----	130	6,477	5	158	36	811	17	1,051
Kansas, total-----	9,624	101	5,056	-----	-----	101	5,056	-----	-----	121	4,768	71	5,386
Stationary-----	4,897	14	787	-----	-----	14	787	-----	-----	104	4,110	56	4,016
Mobile-----	4,927	87	4,269	-----	-----	87	4,269	-----	-----	17	658	15	1,370
Kentucky, total-----	25,642	280	16,107	10	1,874	270	14,233	1	100	200	7,535	72	1,410
Stationary-----	12,908	70	6,088	-----	-----	60	4,214	1	100	186	6,820	69	1,332
Mobile-----	10,734	210	10,019	-----	-----	210	10,019	-----	-----	14	715	3	78
Maine, total-----	1,894	5	266	-----	-----	5	266	-----	-----	4	1,728	-----	-----
Stationary-----	1,359	-----	-----	-----	-----	-----	-----	-----	-----	37	1,359	-----	-----
Mobile-----	635	5	266	-----	-----	5	266	4	226	10	369	-----	-----

¹ For definition of the industry see footnote 1, tables 2 and 4.

TABLE 10.—NUMBER AND HORSEPOWER RATING OF PRIME MOVERS AND ELECTRIC MOTORS AT CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939¹—Continued

(For producing operations only)

TYPE OF OPERATION, STATE, AND TYPE OF EQUIPMENT	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY										ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED BY REPORTING COMPANIES		
	Aggregate horsepower	Prime movers								Electric motors driven by pur- chased energy			
		Total		Driving generators		Not driving generators		Ordinarily idle (included in pre- ceding columns)		Number			Horse- power
		Number	Horse- power	Number	Horse- power	Number	Horse- power	Number	Horse- power				
Maryland, total	3,413	41	2,027			41	2,027	1	25	59	1,366	59	3,776
Stationary	1,621	6	235			6	235	1	25	59	1,366	12	997
Mobile	1,792	35	1,792			35	1,792					47	2,779
Massachusetts, total	2,500	11	772	1	92	10	680			112	1,528	1	115
Stationary	1,673	5	435			5	435			111	1,458		
Mobile	427	6	337	1	92	5	245			1	90	1	115
Michigan, total	71,642	135	50,323	6	28,750	129	21,573	2	686	410	21,519	297	21,175
Stationary	45,603	25	29,741	6	28,750	19	991			325	13,862	260	17,607
Mobile	28,239	110	20,582			110	20,582	2	686	85	7,657	37	3,368
Minnesota, total	4,229	52	2,616			52	2,616			43	1,613		
Stationary	1,652	8	292			8	292			53	1,360		
Mobile	2,577	44	2,324			44	2,324			10	253		
Missouri, total	35,732	271	18,203	3	330	268	17,673	3	196	471	17,529	8	185
Stationary	16,358	53	3,370	3	330	50	3,040			382	14,988	7	140
Mobile	17,374	218	14,833			218	14,833	3	196	69	2,541	1	25
Montana, total	1,736	9	704			9	704			19	1,032		
Stationary	627	1	25			1	25			11	602		
Mobile	1,109	8	679			8	679			8	430		
Nebraska, total	2,079	13	767			13	767			38	1,312		
Stationary	1,114	6	185			6	185			33	929		
Mobile	965	7	582			7	582			5	383		
New Jersey, total	4,776	176	4,054	3	1,120	173	2,934	25	303	21	722	156	3,558
Stationary	4,143	165	3,717	3	1,120	162	2,597	25	303	17	426	155	3,333
Mobile	633	11	337			11	337			4	296	1	226
New York, total	94,346	454	50,265	11	2,580	443	47,705	20	2,082	1,366	44,061	215	7,236
Stationary	44,044	32	4,727	10	2,475	22	2,252	2	45	1,281	39,317	182	5,879
Mobile	50,302	422	45,538	1	85	421	45,453	18	2,047	105	4,764	33	1,359
North Carolina, total	945	9	693			9	693			8	252		
Stationary	811	6	559			6	559			8	252		
Mobile	134	3	134			3	134						
Ohio, total	81,196	667	36,792	13	2,174	674	34,618	17	1,000	1,496	44,404	246	8,340
Stationary	45,965	87	7,786	12	2,134	75	5,652	3	185	1,280	36,179	139	4,462
Mobile	37,231	600	29,006	1	40	599	28,966	14	815	216	8,225	107	3,878
Oklahoma, total	8,604	66	4,534	4	825	62	3,709			119	4,070	61	3,257
Stationary	5,700	18	1,665	4	825	14	840			116	4,035	49	2,245
Mobile	2,904	48	2,869			48	2,869			3	35	12	1,012
Oregon, total	1,565	12	710			12	710			18	655		
Stationary	675									15	675		
Mobile	890	12	710			12	710			3	180		
Pennsylvania, total	137,467	1,030	58,542	14	2,052	1,016	56,490	25	4,521	2,060	78,945	278	13,363
Stationary	66,199	86	7,230	12	1,934	74	5,296	6	337	1,766	58,969	170	9,381
Mobile	71,268	944	51,312	2	118	942	51,194	19	4,184	274	19,976	108	3,972
South Carolina, total	1,378	9	564			9	564			20	814		
Stationary	1,034	3	220			3	220			20	814		
Mobile	344	6	344			6	344						
South Dakota, total	165	2	50			2	50			6	115		
Stationary	115									6	115		
Mobile	50	2	50			2	50						
Tennessee, total	13,504	86	4,411			86	4,411	3	40	237	9,093		
Stationary	9,200	17	901			17	901			213	8,299		
Mobile	4,304	69	3,510			69	3,510	3	40	24	794		
Texas, total	15,493	84	6,345	1	250	83	6,095	2	500	172	9,148	30	909
Stationary	8,132	3	320			3	320			150	7,832	11	253
Mobile	7,341	81	6,025	1	250	80	5,775	2	500	22	1,316	19	656
Utah, total	5,951	25	1,469			25	1,469			147	4,462		
Stationary	4,385	3	193			3	193			137	4,192		
Mobile	1,566	22	1,296			22	1,296			10	270		
Vermont, total	1,659	4	224	1	60	3	164	1	15	58	1,435	20	608
Stationary	1,422	2	135	1	60	1	75			52	1,287	19	583
Mobile	237	2	89			2	89	1	15	6	148	1	25
Virginia, total	29,410	204	13,250	2	532	202	12,718	9	976	461	16,160	42	1,651
Stationary	16,938	30	2,226	2	532	28	1,694	3	123	426	14,712	34	1,216
Mobile	12,472	174	11,024			174	11,024	6	853	35	1,448	8	435
Washington, total	5,670	46	3,169	3	341	45	2,828			65	2,701	34	1,137
Stationary	2,737	11	516	1	150	10	366			50	2,221	4	18
Mobile	3,133	37	2,653	2	191	35	2,462			15	480	30	1,119
West Virginia, total	19,199	85	5,790			85	5,790			389	13,409	33	1,160
Stationary	7,905	12	776			12	776			233	7,129	17	890
Mobile	11,294	71	5,014			71	5,014			156	6,280	16	270
Wisconsin, total	15,364	116	6,578			116	6,578	2	110	352	8,786		
Stationary	9,633	26	1,637			26	1,637			339	7,996		
Mobile	5,731	90	4,941			90	4,941	2	110	13	790		
Wyoming, total	1,863	34	1,856			34	1,856			2	27		
Stationary	601	14	601			14	601						
Mobile	1,282	20	1,255			20	1,255			2	27		
Louisiana, Nevada, and Rhode Island, total	2,596	19	1,276	1	120	18	1,156			38	1,320	5	42
Stationary	1,495	2	195	1	120	1	75			37	1,300	5	42
Mobile	1,101	17	1,081			17	1,081			1	20		

¹ For definition of the industry see footnote 1, tables 2 and 4.

MINERAL INDUSTRIES

TABLE 11.—NUMBER OF POWER-LOADING MACHINES AT CRUSHED AND BROKEN LIMESTONE OPERATIONS

(For producing

	TYPE, KIND OF POWER USED, AND SIZE	United States	Ala-bama	Ari-zona	Ar-kan-sas	Cali-fornia	Colo-rado	Conn-ect-icut	Flor-ida	Geor-gia	Idaho	Illi-nois	Indi-ana	Iowa	Kan-sas	Ken-tucky	Maine	Mary-land	Mess-ach-sets
1	Surface loading equipment:																		
	Power shovels, total	1,360	20	2	4	27	6		28	9	2	98	61	30	31	54	4	11	3
2	Kind of power used:																		
3	Steam	528	4			4	2		20	7		45	24	6	12	32	1	1	
4	Electric	338	15	1	2	14	3		2			21	7	9	9	2	2	6	2
	Internal-combustion engine	494	1	1	2	9	1		6	2	2	32	30	15	10	20	1	4	1
5	Dipper capacity (cu. yds.):																		
6	less than 5	1,168	17	2	4	25	4		27	9	2	73	51	27	26	53	4	8	3
7	3 to 5	181	3			2	2		1			24	10	3	5	1		3	
	More than 5	11										1							
8	Dragline excavators, total	84	2		1				21	1		11	3	8	5				
9	Kind of power used:																		
10	Steam	8	1						1			2		1					
11	Electric	14							1	1				1					
	Internal-combustion engine	62	1		1				19			9	3	6	5				
12	Bucket capacity (cu. yds.):																		
13	less than 5	79	1		1				21	1		11	3	7	5				
14	3 to 5	4	1											1					
	More than 5	1																	
15	Scraper loaders, total	58	3	1		2	2		1		2	1	6	1	4	4			1
16	Kind of power used:																		
17	Steam	1				1													
18	Electric	21	3	1							2				3	1			
	Internal-combustion engine	36				1	2		1			1	6	1	1	3			1
19	Horsepower rating of hoists:																		
20	less than 10	16											2						
21	10 to 25	17					1						3	1					1
22	26 to 100	23	2	1		2	1		1		2		1		3	4			
	More than 100	2	1										1		1				
23	Clamshells or orange-peel loaders, total	230	2			2			9			37	17	8	2	1		2	
24	Kind of power used:																		
25	Steam	92	1									16	9	1					
26	Electric	21	1						1			2	2	2					
	Internal-combustion engine	117				2			8			19	8	5	2	1		2	
27	Cranes and hoists, total	47		1								2	3	1		2	1		2
28	Kind of power used:																		
29	Steam	21										1	1				2		
30	Electric	12		1								1	1	1			1		2
	Internal-combustion engine	14										1	1						
31	Other types, total ²	134		1					1	1	6	5	18	5	1	4		2	
32	Kind of power used:																		
33	Steam	4							1										
34	Electric	20								1	6								
	Internal-combustion engine	110		1								5	18	5	1	4		2	
35	Underground loading equipment:																		
	Shovel loaders, total	86				1				1		2	1	2		7			
36	Kind of power used:																		
37	Electric	74								1		1		2		3			
38	Compressed air	4				1													
	Internal-combustion engine	8										1	1			4			
39	Requiring minimum working height of 8 feet or less, total	8				1													
40	Kind of power used:																		
41	Electric	7																	
	Compressed air	1				1													
42	Requiring minimum working height of more than 8 feet, total	78								1		2	1	2		7			
43	Kind of power used:																		
44	Electric	67								1		1		2		3			
45	Compressed air	3																	
	Internal-combustion engine	8										1	1			4			
46	Scraper loaders (including slushers), total ³	21	10																
47	Horsepower rating of hoists:																		
48	10 to 25	4																	
	26 to 100	17	10																
49	Other types, total ⁴	2																	

¹ For definition of the industry see footnote 1, tables 2 and 4.² Includes 12 bulldozers, 18 belt-conveyor loaders, 101 bucket-type loaders, and 3 ladder dredges used in producing marl.³ Driven by electric power.⁴ Driven by internal-combustion engines.

MINERAL INDUSTRIES

TABLE 12.—SELECTED STATISTICS FOR INCORPORATED AND FOR UNINCORPORATED OPERATING COMPANIES ENGAGED IN CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

(For producing operations only)

STATE	Number of operating companies	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries
						Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members		
United States, total	911	1,192	1,028	108,456,772	\$77,146,887	27,055	24,482	2,031	542	\$24,905,801	\$4,455,040
Incorporated	489	726	608	99,521,087	67,450,788	22,027	20,215	1,812	—	21,774,249	4,176,953
Unincorporated	422	466	420	9,115,685	9,696,099	5,028	4,267	219	542	3,129,052	276,087
Alabama, total	17	21	15	5,645,376	2,517,517	933	890	36	7	840,698	88,911
Incorporated	12	16	12	5,457,196	2,127,587	739	711	28	—	751,865	76,591
Unincorporated	5	5	3	188,180	190,130	194	179	8	7	88,715	12,320
Arizona, total	4	4	2	245,167	225,207	59	52	2	5	68,682	2,359
Incorporated	2	2	1	245,167	225,207	59	52	2	5	68,682	2,359
Unincorporated	2	2	1	—	—	—	—	—	—	—	—
Arkansas, total	6	9	7	236,428	144,115	94	84	7	3	60,597	9,511
Incorporated	4	5	3	224,526	130,225	85	78	7	—	57,193	9,511
Unincorporated	2	4	4	11,900	13,890	9	6	—	3	3,404	—
California, total	21	21	17	5,533,649	2,464,606	603	566	34	3	843,005	93,838
Incorporated	18	18	14	5,478,558	2,297,659	557	528	31	—	790,470	85,258
Unincorporated	3	3	3	55,091	166,947	46	40	3	3	52,535	10,600
Colorado, total	9	14	4	742,970	380,400	156	141	12	3	142,162	37,042
Incorporated	8	12	4	742,970	380,400	156	141	12	3	142,162	37,042
Unincorporated	1	2	—	—	—	—	—	—	—	—	—
Connecticut ²	4	4	4	87,588	188,361	44	38	6	—	44,525	14,280
Florida, total	23	28	23	1,855,384	1,672,302	712	630	74	8	404,566	143,517
Incorporated	17	22	18	1,610,459	1,422,522	578	511	67	—	315,329	138,999
Unincorporated	6	6	5	244,925	249,780	134	119	7	8	89,237	6,518
Georgia ²	6	10	10	591,720	550,675	179	162	27	—	130,485	58,698
Idaho ²	3	4	4	82,795	29,907	11	11	—	—	10,764	—
Illinois, total	65	71	70	7,155,458	4,900,606	1,606	1,409	152	45	1,615,058	380,917
Incorporated	29	35	34	6,462,695	4,210,092	1,277	1,139	138	—	1,401,292	357,499
Unincorporated	36	36	36	690,763	690,514	329	270	14	45	213,766	23,418
Indiana, total	57	70	63	5,502,756	2,585,954	1,013	888	71	54	749,981	115,996
Incorporated	20	29	23	2,617,870	1,719,489	595	550	45	—	524,252	85,692
Unincorporated	37	41	40	885,086	866,445	418	338	26	54	225,729	32,304
Iowa, total	38	38	35	1,995,685	1,308,015	452	362	37	33	395,226	56,741
Incorporated	11	11	10	1,525,273	886,675	234	208	26	—	258,001	41,280
Unincorporated	27	27	25	468,412	421,340	218	174	11	33	137,225	15,461
Kansas, total	25	27	24	1,887,559	1,060,383	512	471	30	11	447,275	56,796
Incorporated	12	13	11	1,596,498	725,247	316	295	21	—	333,204	44,340
Unincorporated	13	14	13	291,061	335,136	196	176	9	11	114,071	12,456
Kentucky, total	45	56	56	2,394,629	2,086,930	1,189	1,087	73	29	622,287	125,993
Incorporated	20	29	29	1,834,067	1,482,438	774	714	60	—	415,088	110,140
Unincorporated	25	27	27	560,562	584,494	415	373	13	29	207,209	15,853
Maine ²	3	3	2	280,006	272,501	78	74	4	—	74,135	8,775
Maryland, total	12	12	10	678,204	765,809	246	232	10	4	204,579	21,661
Incorporated	7	7	6	637,665	709,846	213	203	10	—	184,356	21,661
Unincorporated	5	5	4	40,539	55,963	33	29	—	4	20,223	—
Massachusetts, total	6	7	7	326,313	515,141	173	155	17	1	158,448	35,337
Incorporated	5	6	6	326,313	515,141	173	155	17	1	158,448	35,337
Unincorporated	1	1	1	—	—	—	—	—	—	—	—
Michigan, total	16	16	13	14,459,861	6,896,364	1,492	1,371	120	1	1,923,153	330,027
Incorporated	15	15	12	14,459,861	6,896,364	1,492	1,371	120	1	1,923,153	330,027
Unincorporated	1	1	1	—	—	—	—	—	—	—	—
Minnesota, total	9	10	10	281,737	284,472	119	109	7	3	101,992	11,390
Incorporated	5	5	5	159,486	167,496	69	63	6	—	66,634	10,390
Unincorporated	4	5	5	122,251	96,976	50	46	1	3	35,358	1,000
Missouri, total	54	60	65	4,540,716	3,828,289	1,902	1,787	116	19	1,485,769	217,693
Incorporated	41	63	49	4,249,990	3,458,099	1,690	1,579	111	—	1,356,960	214,709
Unincorporated	13	17	14	291,726	369,190	212	188	5	19	128,789	3,184
Montana, total	7	7	3	328,785	194,568	72	64	5	3	78,210	7,308
Incorporated	5	5	3	328,785	194,568	72	64	5	3	78,210	7,308
Unincorporated	2	2	—	—	—	—	—	—	—	—	—

¹ For definition of the industry see footnote 1, tables 2 and 4.² Incorporated only.

LIMESTONE

487

TABLE 12.—SELECTED STATISTICS FOR INCORPORATED AND FOR UNINCORPORATED OPERATING COMPANIES ENGAGED IN CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹—Continued

(For producing operations only)

STATE	Number of operating companies	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries
						Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members		
Nebraska, total	6	12	5	478,695	5494,734	192	176	14	2	\$149,147	\$16,810
Incorporated	4	10	4	478,695	494,734	192	176	14	2	149,147	16,810
Unincorporated	2	2	1								
New Jersey, total	5	6	3	651,420	358,339	124	100	23	1	127,291	48,206
Incorporated	2	3	1	452,111	175,942	93	75	18	1	85,370	45,582
Unincorporated	3	3	2	199,309	182,397	31	25	5		41,921	4,624
New York, total	51	62	59	9,088,348	6,956,448	1,612	1,414	179	19	2,022,712	482,117
Incorporated	38	49	47	8,535,854	6,689,250	1,518	1,344	174	19	1,951,092	476,551
Unincorporated	13	13	12	252,494	287,198	94	70	5		71,620	5,766
North Carolina, total	3	3	3	103,832	127,194	119	106	10	3	42,412	9,172
Incorporated	1	1	1								
Unincorporated	2	2	2	103,832	127,194	119	106	10	3	42,412	9,172
Ohio, total	113	139	134	12,740,849	9,092,273	2,730	2,439	209	82	2,503,825	464,752
Incorporated	56	77	73	11,897,270	8,327,673	2,245	2,055	190	82	2,264,151	445,294
Unincorporated	57	62	61	843,379	764,600	485	384	19		239,674	19,458
Oklahoma, total	14	19	19	1,353,495	748,755	369	314	53	2	235,682	83,065
Incorporated	11	16	16	1,308,818	706,069	351	300	51	2	227,915	82,625
Unincorporated	3	3	3	44,677	42,686	18	14	2		7,767	240
Oregon ²	3	4	3	262,504	163,716	57	54	3		69,103	7,253
Pennsylvania, total	157	184	162	18,863,516	14,554,976	4,881	4,398	367	116	5,040,317	893,772
Incorporated	64	80	71	16,581,257	11,798,270	3,704	3,396	308	116	4,193,524	821,714
Unincorporated	93	104	91	2,282,259	2,756,706	1,177	1,002	59		846,793	72,058
South Carolina ²	4	4	3	185,036	239,260	159	154	5		81,260	13,483
South Dakota, total	4	4	2	26,652	32,093	25	19	5	1	12,788	2,946
Incorporated	2	2	1								
Unincorporated	2	2	1	26,652	32,093	25	19	5	1	12,788	2,946
Tennessee, total	32	37	30	1,635,078	1,242,833	658	595	34	9	423,328	55,093
Incorporated	22	27	22	1,540,767	1,129,454	533	503	30	9	382,805	49,893
Unincorporated	10	10	8	94,311	113,379	105	92	4		40,521	5,200
Texas, total	21	24	17	2,713,893	1,190,311	567	536	30	1	364,740	64,828
Incorporated	19	22	16								
Unincorporated	2	2	1	2,713,893	1,190,311	567	536	30	1	364,740	64,828
Utah, total	10	10	6	396,630	214,959	82	75	3	4	60,765	6,170
Incorporated	6	6	4	336,828	172,042	55	53	2	4	57,848	4,650
Unincorporated	4	4	2	59,802	42,917	27	22	1		2,917	1,540
Vermont, total	9	10	8	156,263	262,901	96	84	11	3	72,760	12,002
Incorporated	7	8	7								
Unincorporated	2	2	1	156,263	262,901	96	84	11	3	72,760	12,002
Virginia, total	58	61	51	3,872,031	3,424,383	1,689	1,561	106	20	1,132,885	203,505
Incorporated	44	47	39	3,676,695	3,228,883	1,507	1,404	103	20	1,042,390	196,665
Unincorporated	14	14	12	195,336	195,500	182	157	5		90,495	6,840
Washington, total	14	18	7	1,563,231	933,414	339	314	19	6	454,676	41,151
Incorporated	10	13	5	1,514,149	847,211	282	265	19	6	377,976	41,151
Unincorporated	4	5	2	49,082	86,203	57	51			56,700	
West Virginia, total	22	25	23	2,945,101	2,443,433	1,011	940	57	14	1,053,030	111,774
Incorporated	13	16	14	2,685,253	2,356,856	928	874	54	14	1,026,181	106,972
Unincorporated	9	9	9	59,848	86,577	83	66	3		26,849	4,802
Wisconsin, total	37	49	46	1,522,775	1,180,450	441	374	43	24	395,514	81,040
Incorporated	18	21	18	923,910	775,221	287	248	39	24	263,091	74,660
Unincorporated	19	28	28	598,865	385,229	154	128	4		132,223	6,380
Wyoming, total	6	6	2	387,578	366,547	152	139	10	3	132,061	21,186
Incorporated	3	3	1	332,783	284,749	105	96	9	3	95,217	19,979
Unincorporated	3	3	1	54,795	81,798	47	43	1		36,844	1,207
Louisiana, Nevada, and Rhode Island, total ²	3	3	3	485,465	511,768	125	117	8		129,582	19,725

¹For definition of the industry see footnote 1, tables 2 and 4.
²Incorporated only.

MINERAL INDUSTRIES

TABLE 13.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY VALUE OF PRODUCTS AND BY STATE: 1939¹

(For producing operations only)

STATE AND VALUE OF PRODUCTS	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	1,192	1,028	108,438,772	\$77,146,887	27,055	24,482	2,031	542	214	\$24,903,301	\$4,453,040
\$1 - \$19,999	469	389	4,423,302	4,353,886	3,503	2,936	216	351	166	1,778,877	205,814
\$20,000 - \$49,999	281	250	11,780,643	9,389,487	4,831	4,335	380	116	30	3,340,257	612,619
\$50,000 - \$99,999	189	161	19,511,989	13,281,663	5,098	4,675	377	46	12	4,644,505	809,089
\$100,000 - \$249,999	156	144	33,150,833	23,080,386	6,889	6,417	457	15	3	7,092,746	1,133,655
\$250,000 - \$499,999	32	32	13,477,035	10,732,683	2,713	2,538	177	---	---	3,181,282	584,179
\$500,000 - \$999,999	12	12	11,506,291	8,350,537	1,854	1,730	124	---	---	2,478,084	369,192
\$1,000,000 - \$2,499,999	4	4	12,464,855	6,310,339	1,345	1,252	93	---	---	1,879,424	274,752
Unclassified	49	36	2,141,824	1,687,926	822	601	207	14	3	528,126	484,740
Alabama, total	21	15	3,843,376	2,317,517	953	890	36	7	1	840,898	88,911
\$1 - \$19,999	4	2	---	---	---	---	---	---	---	---	---
\$20,000 - \$49,999	3	2	381,589	156,687	120	112	3	5	---	71,710	5,991
\$50,000 - \$99,999	5	3	431,187	349,493	201	191	9	---	---	151,625	21,910
\$100,000 - \$249,999	7	6	---	---	---	---	---	---	---	---	---
\$250,000 - \$499,999	2	2	2,850,800	1,811,357	612	587	24	1	1	617,363	61,010
Arizona, total	4	2	245,167	225,207	59	52	2	5	1	68,682	2,359
\$1 - \$19,999	2	2	---	---	---	---	---	---	---	---	---
\$50,000 - \$99,999	1	---	245,167	225,207	59	52	2	5	1	68,682	2,359
\$100,000 - \$249,999	1	---	---	---	---	---	---	---	---	---	---
Arkansas, total	9	7	236,426	144,115	94	84	7	3	1	60,597	9,511
\$1 - \$19,999	3	2	11,968	17,371	16	12	3	1	1	11,078	710
\$20,000 - \$49,999	3	2	214,558	115,854	72	68	4	---	---	47,317	8,801
Unclassified	3	3	9,900	10,890	6	4	---	2	---	2,204	---
California, total	21	17	3,533,849	2,484,606	603	566	34	5	1	843,003	93,839
\$1 - \$19,999	3	3	31,542	31,144	25	24	1	---	---	33,056	2,171
\$20,000 - \$49,999	5	5	116,875	179,980	58	53	4	1	---	66,354	8,151
\$50,000 - \$99,999	5	2	825,134	372,111	103	92	9	2	1	148,091	27,329
\$100,000 - \$249,999	5	4	901,316	825,657	213	202	11	---	---	289,628	31,815
\$250,000 - \$499,999	3	3	1,658,982	1,057,734	204	195	9	---	---	305,876	24,392
Colorado, total	14	4	742,970	580,400	156	141	12	3	2	142,162	37,042
\$1 - \$19,999	6	---	42,980	60,630	34	31	---	3	2	29,113	---
\$20,000 - \$49,999	4	2	202,658	109,855	54	51	3	---	---	40,082	7,095
\$50,000 - \$99,999	3	2	497,532	209,915	68	59	9	---	---	72,967	29,947
Unclassified	1	---	---	---	---	---	---	---	---	---	---
Connecticut, total	4	4	87,588	168,361	44	38	6	---	---	44,525	14,280
\$1 - \$19,999	1	1	---	---	---	---	---	---	---	---	---
\$20,000 - \$49,999	2	2	87,388	168,361	44	38	6	---	---	44,525	14,280
\$50,000 - \$99,999	1	1	---	---	---	---	---	---	---	---	---
Florida, total	28	23	1,855,384	1,672,302	712	630	74	8	2	404,586	143,517
\$1 - \$19,999	9	8	111,066	93,102	88	72	11	5	2	38,108	8,229
\$20,000 - \$49,999	9	8	364,273	338,528	201	174	27	---	---	86,023	38,556
\$50,000 - \$99,999	5	3	379,760	302,792	139	118	19	2	---	75,236	52,769
\$100,000 - \$249,999	5	4	1,000,285	937,880	284	266	17	1	---	205,199	43,983
Georgia, total	10	10	591,720	550,673	179	152	27	---	---	130,485	58,698
\$1 - \$19,999	2	2	---	---	---	---	---	---	---	---	---
\$20,000 - \$49,999	4	4	153,022	166,260	64	54	10	---	---	38,296	13,508
\$50,000 - \$99,999	2	2	---	---	---	---	---	---	---	---	---
\$100,000 - \$249,999	2	2	438,698	384,413	115	98	17	---	---	92,189	45,190
Idaho, total	4	4	82,795	29,907	11	11	---	---	---	10,784	---
\$1 - \$19,999	2	2	---	---	---	---	---	---	---	---	---
Unclassified	2	2	82,795	29,907	11	11	---	---	---	10,784	---
Illinois, total	71	70	7,153,456	4,900,606	1,606	1,409	152	45	21	1,615,058	380,917
\$1 - \$19,999	29	29	257,626	261,645	196	159	5	32	17	97,183	3,255
\$20,000 - \$49,999	19	19	631,224	580,786	305	266	29	10	4	214,204	49,852
\$50,000 - \$99,999	6	5	937,315	479,841	184	151	12	1	---	224,012	28,109
\$100,000 - \$249,999	11	11	3,103,506	1,898,191	531	460	69	2	---	552,795	177,488
\$250,000 - \$499,999	4	2	2,223,787	1,680,363	410	373	37	---	---	526,864	124,214
Unclassified	2	2	---	---	---	---	---	---	---	---	---
Indiana, total	70	63	3,502,756	2,585,934	1,013	888	71	54	27	749,981	115,999
\$1 - \$19,999	37	31	293,680	318,778	299	247	15	37	24	125,077	15,188
\$20,000 - \$49,999	17	17	600,283	555,308	216	183	22	11	2	158,670	47,423
\$50,000 - \$99,999	7	7	738,505	523,871	183	167	11	5	1	160,286	16,940
\$100,000 - \$249,999	9	8	1,650,306	1,182,977	315	291	23	1	---	305,748	36,442
Iowa, total	38	35	1,993,685	1,308,015	452	382	37	33	18	393,226	58,741
\$1 - \$19,999	23	20	155,443	141,408	143	113	5	25	15	57,329	3,097
\$20,000 - \$49,999	3	3	57,740	75,472	38	34	1	3	1	36,954	616
\$50,000 - \$99,999	8	8	562,496	349,357	146	112	31	5	2	135,520	52,728
\$100,000 - \$249,999	4	4	1,218,006	541,778	123	123	---	---	---	163,423	---
Kansas, total	27	24	1,887,559	1,060,383	512	471	30	11	3	447,275	56,796
\$1 - \$19,999	9	8	81,797	104,352	86	76	5	5	2	41,205	4,282
\$20,000 - \$49,999	9	8	677,327	296,010	136	121	10	5	---	101,887	15,117
\$50,000 - \$99,999	8	7	1,128,435	660,021	290	274	15	1	1	304,183	37,397
\$100,000 - \$249,999	1	1	---	---	---	---	---	---	---	---	---
Kentucky, total	56	56	2,394,629	2,066,930	1,189	1,087	73	29	8	622,297	125,995
\$1 - \$19,999	24	24	244,188	251,945	220	194	9	17	5	102,117	8,274
\$20,000 - \$49,999	16	16	536,419	508,770	387	356	22	9	3	163,597	32,778
\$50,000 - \$99,999	12	12	928,588	782,621	409	383	24	2	---	220,092	43,442
\$100,000 - \$249,999	4	4	687,454	525,594	173	154	18	1	---	156,491	41,501
Maine, total	3	2	280,006	272,501	78	74	4	---	---	74,135	8,775
\$1 - \$19,999	1	---	---	---	---	---	---	---	---	---	---
\$50,000 - \$99,999	1	1	280,006	272,501	78	74	4	---	---	74,135	8,775
\$100,000 - \$249,999	1	1	---	---	---	---	---	---	---	---	---

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by value of products represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent: Reports for more than one quarry, mine, or preparation plant; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 13.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY VALUE OF PRODUCTS AND BY STATE: 1939¹—Continued

(For producing operations only)

STATE AND VALUE OF PRODUCTS	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
Maryland, total	12	10	878,204	\$763,809	246	232	10	4	\$204,579	\$21,661	
\$1 - \$19,999	5	4	40,539	53,983	33	29		4	20,223		
\$20,000 - \$49,999	2	1	212,935	201,460	75	74	1		45,857	2,000	
\$50,000 - \$99,999	2	2	624,730	508,386	138	129	9		138,499	19,661	
\$100,000 - \$249,999	3	3						1	158,448	33,337	
Massachusetts, total	7	7	326,313	515,141	173	155	17	1	158,448	33,337	
\$20,000 - \$49,999	1	1						1			
\$50,000 - \$99,999	5	5	326,313	515,141	173	155	17	1	158,448	33,337	
\$100,000 - \$249,999	1	1									
Michigan, total	16	13	14,459,861	6,896,364	1,492	1,371	120	1	1,923,153	330,027	
\$1 - \$19,999	4	3	27,655	45,290	21	18	2	1	17,985	2,072	
\$20,000 - \$49,999	2	2	433,683	236,292	70	61	9		70,398	14,784	
\$50,000 - \$99,999	2	2	1,055,289	539,241	174	170	4		188,748	8,410	
\$100,000 - \$249,999	3	3	12,943,254	6,075,541	1,227	1,122	105		1,648,132	304,761	
\$500,000 - \$999,999	3	3									
\$1,000,000 - \$2,499,999	2	2									
Minnesota, total	10	10	281,737	284,472	119	109	7	3	101,992	11,390	
\$1 - \$19,999	4	4	37,059	46,806	22	21		1	15,799		
\$20,000 - \$49,999	4	4									
\$50,000 - \$99,999	1	1	244,678	237,666	97	88	7	2	88,193	11,390	
Unclassified	1	1									
Missouri, total	80	63	4,540,716	3,826,289	1,902	1,767	118	19	1,485,769	217,893	
\$1 - \$19,999	36	24	305,159	336,707	337	305	24	8	150,071	13,439	
\$20,000 - \$49,999	18	16	534,098	618,141	467	436	27	4	253,890	36,938	
\$50,000 - \$99,999	14	12	1,518,292	997,194	481	445	29	7	406,433	70,937	
\$100,000 - \$249,999	9	8	1,373,841	1,178,933	435	419	16		480,853	53,516	
\$250,000 - \$499,999	2	2							194,522	41,043	
Unclassified	1	1	809,326	685,314	182	162	20		78,210	7,308	
Montana, total	7	3	328,783	194,568	72	64	5	3	78,210	7,308	
\$1 - \$19,999	2	3	328,783	194,568	72	64	5	3	78,210	7,308	
\$20,000 - \$49,999	5	3									
Nebraska, total	12	5	478,695	494,734	192	176	14	2	149,147	16,810	
\$1 - \$19,999	3	1	51,462	70,316	37	32	4	1	27,258	2,800	
\$20,000 - \$49,999	2	1	408,930	356,807	124	117	6	1	102,224	7,050	
\$50,000 - \$99,999	3	1							19,665	6,960	
\$100,000 - \$249,999	1	3	18,303	87,611	31	27	4		127,291	48,208	
Unclassified	5	3									
New Jersey, total	6	3	631,420	356,339	124	100	23	1			
\$1 - \$19,999	2	1	19,034	56,274	15	13	1	1	10,466	1,800	
\$20,000 - \$49,999	1	1									
\$50,000 - \$99,999	1	1	612,366	300,065	109	87	22		116,825	46,406	
Unclassified	2										
New York, total	62	59	9,089,348	6,956,448	1,612	1,414	179	19	2,022,712	482,117	
\$1 - \$19,999	11	10	102,661	122,325	58	41	8	3	40,909	12,777	
\$20,000 - \$49,999	18	18	617,233	632,842	218	188	22	6	127,611	42,872	
\$50,000 - \$99,999	14	12	875,576	920,306	281	240	39	2	318,540	87,530	
\$100,000 - \$249,999	14	14	2,719,088	1,841,889	440	386	54		538,366	158,810	
\$250,000 - \$499,999	1	1									
\$500,000 - \$999,999	3	3	4,773,790	3,439,086	615	559	56		935,986	180,128	
\$1,000,000 - \$2,499,999	1	1							42,412	9,172	
North Carolina, total	3	3	103,832	127,194	119	106	10	3	42,412	9,172	
\$20,000 - \$49,999	2	2	103,832	127,194	119	106	10	3	42,412	9,172	
\$50,000 - \$99,999	1	1									
Ohio, total	159	134	12,740,649	9,092,273	2,730	2,439	209	82	2,503,825	464,752	
\$1 - \$19,999	63	61	655,664	536,219	412	324	18	70	186,553	16,513	
\$20,000 - \$49,999	30	29	1,466,559	1,012,890	371	314	47	10	266,374	94,374	
\$50,000 - \$99,999	18	17	2,025,469	1,326,643	512	475	35	2	484,064	64,709	
\$100,000 - \$249,999	17	16	3,459,739	2,493,533	556	522	34		803,056	72,189	
\$250,000 - \$499,999	7	7	2,937,669	2,335,127	475	435	40		500,301	134,076	
\$500,000 - \$999,999	2	2							462,977	82,891	
Unclassified	2	2	2,195,513	1,595,861	404	369	35		235,682	83,065	
Oklahoma, total	19	19	1,353,495	748,755	369	314	53	2			
\$1 - \$19,999	8	8	92,009	76,029	69	59	8	2	29,258	7,377	
\$20,000 - \$49,999	4	4	118,234	111,953	79	64	15		43,784	9,189	
\$50,000 - \$99,999	4	4									
\$100,000 - \$249,999	1	1	1,143,252	560,773	221	191	30		162,640	66,499	
Unclassified	2	2							69,103	7,253	
Oregon, total	4	3	262,504	165,716	57	54	3		69,103	7,253	
\$1 - \$19,999	1	1	262,504	165,716	57	54	3		69,103	7,253	
\$20,000 - \$49,999	2	1									
\$50,000 - \$99,999	1	1									
Pennsylvania, total	184	162	18,863,516	14,554,976	4,881	4,398	367	116	5,040,317	893,772	
\$1 - \$19,999	73	61	571,275	659,977	512	422	25	38	311,824	29,052	
\$20,000 - \$49,999	29	35	1,375,080	1,309,798	626	546	46	34	495,895	52,686	
\$50,000 - \$99,999	29	27	3,295,766	1,973,249	740	685	46	9	752,732	79,288	
\$100,000 - \$249,999	25	25	6,114,782	3,733,458	1,091	1,031	53	7	1,317,912	154,449	
\$250,000 - \$499,999	10	10	3,714,211	3,286,280	925	867	58		1,016,729	169,657	
\$500,000 - \$999,999	3	3	3,634,309	3,406,684	845	801	44		1,116,006	187,382	
\$1,000,000 - \$2,499,999	1	1							27,219	242,278	
Unclassified	4	2	158,093	165,530	142	46	95	1	81,260	13,483	
South Carolina, total	4	3	185,036	239,260	159	154	5		81,260	13,483	
\$1 - \$19,999	2	1									
\$50,000 - \$99,999	1	1	185,036	239,260	159	154	5		81,260	13,483	
\$100,000 - \$249,999	1	1									

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by value of products represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent Reports for more than one quarry, mine, or preparation plant; and reports for central offices reported separately from their associated quarries, mines, and plants.

MINERAL INDUSTRIES

TABLE 13.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY VALUE OF PRODUCTS AND BY STATE: 1939¹—Continued

(For producing operations only)

STATE AND VALUE OF PRODUCTS	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
South Dakota, total	4	2	26,652	\$32,095	25	19	5	1		\$12,788	\$2,946
\$1 - \$19,999	4	2	26,652	32,095	25	19	5	1		12,788	2,946
Tennessee, total	37	50	1,635,078	1,242,833	638	595	34	9	2	423,326	55,093
\$1 - \$19,999	16	14	154,628	156,079	122	107	9	6	2	48,509	6,870
\$20,000 - \$49,999	9	7	270,386	299,224	196	182	13	1		113,212	23,353
\$50,000 - \$99,999	7	6	732,911	485,283	211	202	9			175,499	16,570
\$100,000 - \$249,999	2	2									
Unclassified	3	1	497,155	322,267	109	104	3	2		86,106	8,300
Texas, total	24	17	2,713,893	1,190,311	567	536	30	1	1	364,740	64,828
\$1 - \$19,999	6	2	75,107	65,294	59	54	4	-1	1	27,804	4,600
\$20,000 - \$49,999	7	6	899,891	257,676	166	160	6			108,361	8,375
\$50,000 - \$99,999	4	3	946,837	289,699	113	109	4			79,091	13,050
\$100,000 - \$249,999	3	3	662,816	453,642	167	160	7			121,484	16,390
Unclassified	4	3	129,242	114,000	62	53	9			28,000	22,413
Utah, total	10	8	396,630	214,959	82	75	3	4	3	80,765	6,170
\$1 - \$19,999	4	2	115,607	36,515	15	13		2	2	20,799	
\$20,000 - \$49,999	3	3	213,687	111,594	43	39	2	2	1	37,054	4,180
\$50,000 - \$99,999	1	1									
Unclassified	2		67,336	66,850	24	23	1			22,912	1,990
Vermont, total	10	8	156,263	232,901	98	84	11	3		72,760	12,002
\$1 - \$19,999	3	3	4,506	19,754	15	12	2	1		6,794	1,991
\$20,000 - \$49,999	4	3	107,131	143,180	49	43	6			40,758	7,427
\$50,000 - \$99,999	1	1									
Unclassified	2	1	44,624	99,967	34	29	3	2		25,208	2,584
Virginia, total	61	51	3,972,031	3,424,363	1,689	1,561	108	20	7	1,132,685	203,505
\$1 - \$19,999	24	18	242,010	260,411	227	193	19	15	7	112,242	14,578
\$20,000 - \$49,999	17	15	598,408	555,254	353	326	22	5		213,863	40,522
\$50,000 - \$99,999	7	5	509,931	446,508	213	199	14			137,532	24,540
\$100,000 - \$249,999	11	11									
\$250,000 - \$499,999	1	1	2,521,682	2,162,212	896	843	53			669,248	123,865
Unclassified	1	1									
Washington, total	18	7	1,563,231	935,414	339	314	19	6	1	434,676	41,151
\$1 - \$19,999	4	2	8,085	19,981	26	21	2	3		17,700	1,000
\$20,000 - \$49,999	4	1	76,427	113,003	56	49	4	3	1	62,851	4,800
\$50,000 - \$99,999	6	3	714,350	436,455	148	139	9			200,478	27,600
\$100,000 - \$249,999	2	1									
Unclassified	2		764,369	363,975	109	105	4			153,647	7,751
West Virginia, total	25	23	2,945,101	2,445,433	1,011	940	57	14	1	1,053,030	111,774
\$1 - \$19,999	11	10	63,621	82,630	86	89	4	13		28,206	6,602
\$20,000 - \$49,999	3	3	79,072	85,116	47	46		1	1	58,543	
\$50,000 - \$99,999	3	2	257,264	217,452	130	122	8			111,237	19,596
\$100,000 - \$249,999	6	6									
\$250,000 - \$499,999	1	1	2,545,144	2,060,235	748	703	45			875,044	85,776
\$500,000 - \$999,999	1	1									
Wisconsin, total	49	46	1,522,773	1,160,450	441	374	43	24	14	395,314	81,040
\$1 - \$19,999	27	24	356,669	294,618	188	159	13	16	11	111,610	15,594
\$20,000 - \$49,999	6	6	245,403	195,061	81	64	14	3	2	71,313	26,254
\$50,000 - \$99,999	1	1									
\$100,000 - \$249,999	3	3	616,496	494,833	124	109	15			153,023	38,652
Unclassified	12	12	299,205	175,918	46	42	1	5	1	59,368	540
Wyoming, total	6	2	387,578	366,547	152	139	10	3		132,081	21,186
\$1 - \$19,999	1										
\$20,000 - \$49,999	3	1	387,578	366,547	152	139	10	3		132,081	21,186
\$100,000 - \$249,999	2	1									
Louisiana, Nevada, and Rhode Island, total	3	3	465,465	511,768	125	117	6			129,582	19,725
\$20,000 - \$49,999	1	1									
\$100,000 - \$249,999	1	1	465,465	511,768	125	117	6			129,582	19,725
\$250,000 - \$499,999	1	1									

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by value of products represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent: Reports for more than one quarry, mine, or preparation plant; and reports for central offices reported separately from their associated quarries, mines, and plants.

LIMESTONE

TABLE 14.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹

(For producing operations only)

STATE AND TONS OF LIMESTONE (tons of 2,000 pounds)	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	1,192	1,028	108,436,772	\$77,146,887	27,055	24,482	2,051	542	214	\$24,905,501	\$4,455,040
1 - 999	11	6	7,645	34,710	30	19	5	8	5	15,603	1,868
1,000 - 4,999	153	127	502,585	799,650	801	647	37	117	59	354,715	29,765
5,000 - 9,999	189	117	1,001,239	1,359,411	1,064	880	68	116	55	524,058	53,059
10,000 - 14,999	109	86	1,324,323	1,860,700	1,142	990	79	73	29	725,705	115,291
15,000 - 24,999	147	131	2,895,958	3,599,713	2,021	1,784	153	79	29	1,223,685	215,421
25,000 - 49,999	181	161	6,450,506	7,059,912	3,555	2,999	262	74	16	2,579,598	464,594
50,000 - 99,999	137	119	9,834,159	9,466,900	3,682	3,321	320	41	12	3,051,695	695,640
100,000 - 199,999	125	113	18,483,385	18,049,376	4,526	4,229	289	8	3	4,251,327	710,951
200,000 - 499,999	107	95	31,156,455	18,082,157	5,052	4,750	320	2	---	5,702,800	807,840
500,000 and over	32	32	33,718,297	19,675,572	4,407	4,130	277	---	---	5,926,811	885,954
Unclassified	51	41	3,114,460	2,392,786	975	753	198	24	6	786,916	476,689
Alabama, total	21	15	3,643,376	2,317,517	933	890	36	7	1	840,698	88,911
5,000 - 9,999	2	---	---	---	---	---	---	---	---	---	---
10,000 - 14,999	1	1	91,061	94,143	101	94	2	5	---	51,071	3,060
15,000 - 24,999	1	---	---	---	---	---	---	---	---	---	---
25,000 - 49,999	1	---	---	---	---	---	---	---	---	---	---
50,000 - 99,999	6	4	413,078	431,865	232	218	13	1	---	156,994	28,861
100,000 - 199,999	3	3	453,320	459,353	208	201	6	1	1	204,905	14,980
200,000 - 499,999	6	5	---	---	---	---	---	---	---	---	---
500,000 and over	1	1	2,685,917	1,353,156	392	377	15	---	---	427,728	42,010
Arkansas, total	9	7	256,426	144,115	94	84	7	3	1	60,597	9,511
1,000 - 4,999	2	2	---	---	---	---	---	---	---	---	---
5,000 - 9,999	1	---	11,968	17,371	16	12	3	1	1	11,076	710
15,000 - 24,999	1	1	---	---	---	---	---	---	---	---	---
50,000 - 99,999	1	---	214,558	115,854	72	68	4	---	---	47,517	8,801
100,000 - 199,999	1	1	---	---	---	---	---	---	---	---	---
Unclassified	3	3	9,900	10,890	6	4	---	2	---	2,204	---
California, total	21	17	3,533,649	2,464,606	605	566	34	3	1	843,003	93,838
1,000 - 4,999	1	1	---	---	---	---	---	---	---	---	---
10,000 - 14,999	3	3	39,655	142,688	45	41	3	1	1	49,262	10,583
15,000 - 24,999	4	4	81,338	126,203	52	45	5	2	---	62,062	10,519
25,000 - 49,999	3	2	110,090	149,974	49	47	2	---	---	66,430	5,400
50,000 - 99,999	2	2	434,317	590,157	171	163	8	---	---	229,006	24,615
100,000 - 199,999	2	2	---	---	---	---	---	---	---	---	---
200,000 - 499,999	3	---	1,209,287	397,850	82	75	7	---	---	130,347	18,529
500,000 and over	3	3	1,658,982	1,057,734	204	195	9	---	---	305,676	24,392
Colorado, total	14	4	742,970	380,400	156	141	12	3	2	142,162	37,042
1,000 - 4,999	3	1	9,142	29,881	17	14	1	2	1	12,223	1,455
5,000 - 9,999	3	---	21,040	35,319	21	21	---	---	---	20,201	---
10,000 - 14,999	2	---	---	---	---	---	---	---	---	---	---
15,000 - 24,999	1	---	106,620	115,041	47	44	2	1	1	41,575	6,028
50,000 - 99,999	1	---	---	---	---	---	---	---	---	---	---
100,000 - 199,999	1	1	---	---	---	---	---	---	---	---	---
200,000 - 499,999	2	2	606,168	200,159	71	62	9	---	---	68,163	29,559
Unclassified	1	---	---	---	---	---	---	---	---	---	---
Florida, total	28	23	1,855,384	1,672,302	712	650	74	8	2	404,566	143,517
1,000 - 4,999	2	2	---	---	---	---	---	---	---	---	---
10,000 - 14,999	7	7	125,637	209,716	156	129	23	4	2	72,055	28,149
15,000 - 24,999	2	2	---	---	---	---	---	---	---	---	---
25,000 - 49,999	5	3	186,592	141,490	80	72	7	1	---	36,647	4,066
50,000 - 99,999	6	5	364,479	319,860	175	150	23	2	---	77,976	52,167
100,000 - 199,999	4	3	1,158,676	1,001,236	301	279	21	1	---	217,868	59,155
200,000 - 499,999	2	1	---	---	---	---	---	---	---	---	---
Georgia, total	10	10	591,720	550,673	179	152	27	---	---	130,485	58,698
15,000 - 24,999	4	4	81,116	96,637	47	41	6	---	---	25,683	8,068
25,000 - 49,999	2	2	---	---	---	---	---	---	---	---	---
50,000 - 99,999	2	2	510,604	452,036	132	111	21	---	---	104,802	50,630
100,000 - 199,999	2	2	---	---	---	---	---	---	---	---	---
Illinois, total	71	70	7,153,458	4,900,606	1,606	1,409	152	45	21	1,615,058	380,917
1,000 - 4,999	11	11	39,996	50,849	53	41	---	12	5	21,704	---
5,000 - 9,999	5	5	34,635	35,735	37	30	1	6	5	15,995	580
10,000 - 14,999	8	8	95,361	120,613	70	56	4	10	6	38,521	6,133
15,000 - 24,999	13	13	245,820	247,698	150	131	13	6	1	98,095	17,520
25,000 - 49,999	9	9	278,923	308,722	143	120	14	9	4	105,897	26,539
50,000 - 99,999	3	3	197,544	181,794	83	73	10	---	---	60,918	17,119
100,000 - 199,999	5	5	842,486	554,029	145	131	12	---	---	155,313	27,256
200,000 - 499,999	11	11	3,081,505	2,026,334	588	517	69	2	---	663,995	179,704
500,000 and over	3	3	1,944,136	1,056,891	250	229	21	---	---	334,233	86,836
Unclassified	3	2	395,052	317,941	89	81	8	---	---	122,387	19,260
Indiana, total	70	63	3,502,756	2,585,934	1,013	888	71	54	27	749,981	115,996
1,000 - 4,999	13	11	47,615	62,148	66	51	1	14	8	23,337	240
5,000 - 9,999	13	10	101,365	106,726	113	90	9	14	11	47,384	9,470
10,000 - 14,999	6	5	72,410	74,294	70	63	4	3	1	31,304	4,425
15,000 - 24,999	6	6	109,149	116,062	65	56	4	5	3	35,865	6,293
25,000 - 49,999	14	14	493,934	459,230	185	156	18	11	2	138,301	40,186
50,000 - 99,999	6	6	490,712	428,207	132	117	10	5	1	107,761	15,750
100,000 - 199,999	5	5	709,802	564,889	191	177	13	---	---	164,104	21,120
200,000 - 499,999	5	4	---	---	---	---	---	---	---	---	---
Unclassified	2	2	1,477,769	774,378	191	178	12	1	1	201,925	18,512

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by quantity of limestone produced represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports for more than one quarry, mine, or preparation plant; reports on which figures were not adequately reported for classification; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 14.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹—Continued

(For producing operations only)

STATE AND TONS OF LIMESTONE (tons of 2,000 pounds)	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSON ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Iowa, total	38	35	1,995,685	\$1,808,015	452	382	37	33	18	\$395,226	\$56,741
1,000 - 4,999	14	12	52,161	58,099	79	63	3	13	10	26,295	1,641
5,000 - 9,999	6	6	41,887	41,351	40	31	1	8	3	15,591	900
10,000 - 14,999	2	1									
15,000 - 24,999	4	4	140,326	204,391	82	65	10	7	3	60,315	14,702
25,000 - 49,999	1	1									
50,000 - 99,999	5	5	361,940	324,739	66	65	19	2		92,813	32,028
100,000 - 199,999	2	2									
200,000 - 499,999	1	1	592,591	340,180	78	73	4	1		99,375	7,270
500,000 and over	1	1									
Unclassified	2	2	804,780	339,255	87	85		2	2	98,837	
Kansas, total	27	24	1,867,559	1,060,383	512	471	30	11	3	447,275	56,798
1,000 - 4,999	3	3									
5,000 - 9,999	2	2	27,171	33,860	45	41		4	1	13,925	
10,000 - 14,999	3	2	35,302	51,168	31	27	3	1	1	22,916	3,111
15,000 - 24,999	4	4	79,002	87,968	64	55	5	4		32,819	5,244
25,000 - 49,999	4	4	139,298	146,904	66	61	4	1		52,766	4,512
50,000 - 99,999	3	2	224,379	257,974	107	96	10	1	1	99,759	24,580
100,000 - 199,999	8	7	1,382,407	482,509	199	191	8			225,118	19,349
Kentucky, total	56	56	2,394,629	2,066,930	1,169	1,087	73	29	8	622,297	125,993
1,000 - 4,999	6	6	19,964	21,703	35	29	1	5	2	6,062	900
5,000 - 9,999	5	5	56,748	56,491	36	31		5	1	11,573	
10,000 - 14,999	8	9	113,991	127,369	103	92	5	6	1	55,573	4,695
15,000 - 24,999	8	8	151,557	160,509	139	129	5	5	2	59,429	4,734
25,000 - 49,999	12	12	427,969	445,995	268	242	20	6	2	119,799	30,431
50,000 - 99,999	9	9	613,004	500,114	318	299	18	1		176,473	53,785
100,000 - 199,999	6	6									
200,000 - 499,999	1	1	1,035,896	776,749	290	265	24	1		190,388	51,538
Maryland, total	12	10	878,204	765,809	246	232	10	4		204,579	21,661
1 - 999	1										
5,000 - 9,999	2	2	19,082	30,802	16	13		3		6,436	
10,000 - 14,999	2	2									
15,000 - 24,999	1		43,457	45,161	32	31		1		21,832	
25,000 - 49,999	2	2									
50,000 - 99,999	1	1	175,492	249,416	62	57	5			50,214	11,661
100,000 - 199,999	2	2									
200,000 - 499,999	1	1	640,173	438,430	136	131	5			126,097	9,980
Massachusetts, total	7	7	326,313	515,141	173	155	17	1		159,448	33,337
10,000 - 14,999	1	1									
15,000 - 24,999	1	1	100,533	258,271	103	87	15	1		87,178	29,520
25,000 - 49,999	2	2									
50,000 - 99,999	3	3	225,780	256,870	70	68	2			71,270	3,617
Michigan, total	16	13	14,459,861	6,896,364	1,492	1,371	120	1		1,923,153	330,027
1,000 - 4,999	2	2									
5,000 - 9,999	2	2	17,093	104,485	23	20	2	1		16,977	2,120
15,000 - 24,999	1										
100,000 - 199,999	2	1	243,045	147,077	54	46	8			57,132	12,912
200,000 - 499,999	3	2	725,666	333,341	90	87	3			74,339	4,909
500,000 and over	6	6	13,474,057	6,311,461	1,325	1,216	107			1,774,705	310,086
Minnesota, total	10	10	281,737	284,472	119	109	7	3	3	101,992	11,590
1,000 - 4,999	1	1									
5,000 - 9,999	2	2	37,059	46,806	22	21		1	1	15,799	
15,000 - 24,999	1	1									
25,000 - 49,999	3	3	115,066	101,489	46	43	3			43,074	5,200
50,000 - 99,999	2	2									
Unclassified	1	1	129,612	136,177	51	45	4	2	2	43,119	6,190
Missouri, total	80	63	4,540,716	3,826,289	1,902	1,767	116	19	3	1,485,769	217,893
1,000 - 4,999	10	7	36,632	44,668	73	68	4	1		22,788	1,320
5,000 - 9,999	14	9	97,882	116,122	115	102	12	1		54,362	4,969
10,000 - 14,999	8	5	100,010	136,372	93	84	6	3	1	48,676	6,415
15,000 - 24,999	11	9	214,725	239,020	259	248	8	3	2	103,713	8,687
25,000 - 49,999	11	10	403,401	431,538	284	260	23	1		183,927	33,488
50,000 - 99,999	10	9	717,756	891,409	377	352	24	1		346,887	71,497
100,000 - 199,999	8	7	1,042,514	900,975	396	371	25			375,076	55,825
200,000 - 499,999	5	4	1,586,376	654,764	149	149	2			211,260	6,400
Unclassified	3	3	341,420	411,421	156	135	12	9		138,880	29,292
Montana, total	7	3	328,783	194,568	72	64	5	3		78,210	7,308
1,000 - 4,999	1										
5,000 - 9,999	1		34,365	42,872	23	20	2	1		21,430	1,609
15,000 - 24,999	1										
25,000 - 49,999	3	2									
100,000 - 199,999	1	1	294,420	151,696	49	44	3	2		58,780	5,699
Nebraska, total	12	5	478,695	494,734	192	176	14	2	1	149,147	16,810
1,000 - 4,999	2										
10,000 - 14,999	3	1	45,205	116,748	27	23	3	1	1	25,526	1,459
15,000 - 24,999	1										
50,000 - 99,999	2		415,189	310,375	134	126	7	1		103,956	8,400
200,000 - 499,999	1	1									
Unclassified	3	3	18,305	67,611	31	27	4			19,665	6,960

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by quantity of limestone produced represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports for more than one quarry, mine, or preparation plant; reports on which figures were not adequately reported for classification; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 14.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹—Continued.

(For producing operations only)

STATE AND TONS OF LIMESTONE (tons of 2,000 pounds)	Number of quarries and mines	Number of prepara- tion plants	Production of limestones (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
New Jersey, total-----	6	3	631,420	\$358,339	124	100	23	1	-----	\$127,291	\$48,206
1,000 - 4,999-----	2	1	19,034	58,274	15	13	1	1	-----	10,466	1,600
10,000 - 14,999-----	1	1									
100,000 - 199,999-----	1	1									
Unclassified-----	2	-----	612,386	300,065	109	87	22	-----	-----	116,825	46,406
New York, total-----	62	59	9,088,348	6,956,448	1,612	1,414	179	19	4	2,022,712	482,117
1 - 999-----	1	1	12,362	25,819	16	11	2	3	2	7,984	1,500
1,000 - 4,999-----	3	3									
5,000 - 9,999-----	3	3									
10,000 - 14,999-----	5	4	59,245	143,775	48	38	6	4	1	16,827	3,500
15,000 - 24,999-----	10	10	199,416	549,384	120	99	16	5	1	57,890	15,340
25,000 - 49,999-----	7	7	266,232	519,197	106	92	13	1	-----	108,850	26,916
50,000 - 99,999-----	14	12	920,489	813,873	247	210	34	3	-----	93,345	36,777
100,000 - 199,999-----	8	8	1,097,976	943,164	236	197	39	-----	-----	255,008	65,743
200,000 - 499,999-----	6	6	1,565,269	989,537	209	187	22	-----	-----	238,125	127,353
500,000 and over-----	5	5	4,945,959	3,305,999	606	562	44	-----	-----	318,013	80,250
Unclassified-----	2	-----	-----	-----	-----	-----	-----	-----	-----	926,670	124,938
Ohio, total-----	139	134	12,740,649	9,092,273	2,730	2,439	209	82	54	2,503,825	464,752
1 - 999-----	1	-----	59,161	76,709	82	60	1	21	10	28,218	150
1,000 - 4,999-----	19	19									
5,000 - 9,999-----	19	19									
10,000 - 14,999-----	10	10	125,152	110,792	95	77	4	14	6	43,856	4,035
15,000 - 24,999-----	13	13	243,329	217,476	96	72	13	11	3	54,466	16,460
25,000 - 49,999-----	22	21	796,900	668,305	261	220	30	11	3	172,866	58,405
50,000 - 99,999-----	19	18	1,403,152	1,039,348	329	288	39	2	2	286,222	80,232
100,000 - 199,999-----	16	14	2,423,383	1,628,431	522	494	28	-----	-----	536,103	57,355
200,000 - 499,999-----	14	14	4,028,719	3,111,190	616	575	41	-----	-----	669,656	113,099
500,000 and over-----	4	4	3,525,081	2,097,416	585	535	50	-----	-----	651,503	134,151
Unclassified-----	2	2									
Oklahoma, total-----	19	19	1,353,495	748,755	369	314	53	2	2	235,682	83,065
1,000 - 4,999-----	1	1	33,641	27,718	40	33	5	2	2	14,335	3,177
5,000 - 9,999-----	3	3									
10,000 - 14,999-----	1	1									
15,000 - 24,999-----	3	3	58,368	46,311	29	26	3	-----	-----	14,923	4,200
25,000 - 49,999-----	4	4	118,234	111,953	79	64	15	-----	-----	43,784	9,189
50,000 - 99,999-----	1	1	354,116	213,274	84	72	12	-----	-----	60,892	40,444
100,000 - 199,999-----	2	2									
200,000 - 499,999-----	2	2	789,136	347,499	137	119	18	-----	-----	101,748	26,055
Unclassified-----	2	2									
Pennsylvania, total-----	184	162	18,863,516	14,554,976	4,881	4,398	367	116	51	5,040,317	893,772
1 - 999-----	4	2	2,722	10,006	8	7	-----	4	4	2,341	-----
1,000 - 4,999-----	23	18	63,411	93,112	95	75	1	21	13	47,075	775
5,000 - 9,999-----	23	22	164,799	246,342	189	154	10	25	15	117,455	10,224
10,000 - 14,999-----	14	10	165,763	193,941	133	114	9	10	3	97,019	12,046
15,000 - 24,999-----	25	24	496,834	559,331	293	247	22	24	8	205,802	24,133
25,000 - 49,999-----	29	28	1,021,549	1,488,769	643	573	52	16	4	506,944	70,131
50,000 - 99,999-----	16	15	1,215,713	1,170,444	398	358	29	11	3	369,210	47,595
100,000 - 199,999-----	16	13	2,401,699	1,949,583	568	534	32	2	1	604,297	107,327
200,000 - 499,999-----	22	20	7,180,323	4,093,429	1,292	1,225	67	-----	-----	1,574,053	161,229
500,000 and over-----	8	8	6,012,610	4,564,469	1,120	1,070	50	-----	-----	1,468,902	218,034
Unclassified-----	4	2	158,093	185,530	142	46	95	1	-----	27,219	242,278
South Dakota, total-----	4	2	26,652	32,093	25	19	5	1	-----	12,788	2,946
5,000 - 9,999-----	4	2	26,652	32,093	25	19	5	1	-----	12,788	2,946
Tennessee, total-----	37	30	1,635,078	1,242,833	638	595	34	9	2	423,326	55,093
1,000 - 4,999-----	5	4	16,073	23,008	19	17	-----	2	-----	6,210	-----
5,000 - 9,999-----	9	9	87,843	97,206	76	65	7	4	2	34,543	5,450
10,000 - 14,999-----	1	1	99,915	130,580	76	71	5	-----	-----	37,269	4,870
15,000 - 24,999-----	4	3									
25,000 - 49,999-----	7	5									
50,000 - 99,999-----	3	2	244,988	241,874	162	150	11	1	-----	91,699	21,103
100,000 - 199,999-----	4	4	230,913	214,207	106	99	7	-----	-----	63,783	12,400
200,000 - 499,999-----	1	1	831,038	461,522	161	158	3	-----	-----	164,300	9,670
Unclassified-----	3	1									
Texas, total-----	24	17	2,713,893	1,190,311	587	536	30	1	1	364,740	64,828
1,000 - 4,999-----	2	1	28,569	38,480	40	37	3	-----	-----	19,088	3,400
5,000 - 9,999-----	1	1									
10,000 - 14,999-----	1	-----									
15,000 - 24,999-----	4	1	165,793	143,437	129	124	4	1	1	54,840	4,200
25,000 - 49,999-----	1	1									
50,000 - 99,999-----	1	1	655,915	204,883	128	123	5	-----	-----	85,277	12,981
100,000 - 199,999-----	4	3									
200,000 - 499,999-----	7	6									
Unclassified-----	3	3	1,716,616	703,511	226	217	9	-----	-----	187,535	21,834
Utah, total-----	10	6	396,630	214,959	82	75	3	4	3	80,765	6,170
1,000 - 4,999-----	4	1	9,206	16,700	11	9	-----	2	2	11,034	-----
5,000 - 9,999-----	2	2	387,424	198,259	71	66	3	2	1	69,721	6,170
25,000 - 49,999-----	2	2									
50,000 - 99,999-----	3	2									
100,000 - 199,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by quantity of limestone produced represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports for more than one quarry, mine, or preparation plant; reports on which figures were not adequately reported for classification; and reports for central offices reported separately from their associated quarries, mines, and plants.

MINERAL INDUSTRIES

TABLE 14.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹—Concluded

(For producing operations only)

STATE AND TONS OF LIMESTONE (tons of 2,000 pounds)	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Vermont, total-----	10	8	156,263	\$262,901	98	84	11	3	-----	\$72,760	\$12,002
1 - 999-----	1	1	4,508	19,754	15	12	2	1	-----	6,794	1,891
1,000 - 4,999-----	2	2							-----		
5,000 - 9,999-----	2	1	63,241	90,034	38	31	5	2	-----	28,873	4,116
10,000 - 14,999-----	2	2							-----		
15,000 - 24,999-----	2	2	86,514	153,113	45	41	4	-----	-----	37,093	5,895
25,000 - 49,999-----	3	2							-----		
Virginia, total-----	61	51	3,872,031	3,424,383	1,689	1,561	108	20	7	1,132,885	203,505
1,000 - 4,999-----	5	5	17,082	43,639	41	32	5	4	3	18,284	4,200
5,000 - 9,999-----	6	6	39,510	45,660	48	43	2	3	1	22,703	1,240
10,000 - 14,999-----	10	6	118,157	129,686	102	86	9	7	3	47,658	8,077
15,000 - 24,999-----	4	3	77,013	75,094	73	67	5	1	-----	44,056	5,029
25,000 - 49,999-----	17	13	563,386	577,557	340	312	23	5	-----	199,829	39,134
50,000 - 99,999-----	6	5	461,675	441,007	182	168	14	-----	-----	148,694	31,060
100,000 - 199,999-----	8	8	1,303,271	1,106,208	495	464	31	-----	-----	328,706	69,853
200,000 - 499,999-----	4	4						-----	-----		
Unclassified-----	1	1	1,271,937	1,005,532	408	389	19	-----	-----	322,955	44,912
Washington, total-----	18	7	1,563,231	933,414	339	314	19	6	1	434,676	41,151
1 - 999-----	2	1							-----		
1,000 - 4,999-----	1	1	8,085	19,981	26	21	2	3	-----	17,700	1,000
10,000 - 14,999-----	2	-----							-----		
15,000 - 24,999-----	1	1	45,425	69,601	28	23	4	1	1	30,351	4,800
25,000 - 49,999-----	3	-----							-----		
50,000 - 99,999-----	4	3	121,863	174,638	81	74	5	2	-----	90,046	15,069
100,000 - 199,999-----	4	3	623,489	305,219	95	91	4	-----	-----	142,932	12,651
200,000 - 499,999-----	2	1							-----		
Unclassified-----	2	1	764,369	363,975	109	105	4	-----	-----	153,647	7,751
West Virginia, total-----	25	23	2,945,101	2,443,423	1,011	940	57	14	1	1,053,330	111,774
1 - 999-----	1	1							-----		
1,000 - 4,999-----	6	5	20,117	40,953	41	31	3	7	-----	13,777	5,102
5,000 - 9,999-----	2	2							-----		
10,000 - 14,999-----	1	1	25,020	30,057	32	25	1	6	-----	9,129	1,500
15,000 - 24,999-----	3	3	56,704	72,429	45	44	-----	1	1	28,959	-----
25,000 - 49,999-----	1	1							-----		
50,000 - 99,999-----	3	2	544,917	499,903	227	212	15	-----	-----	220,782	32,516
100,000 - 199,999-----	2	2							-----		
200,000 - 499,999-----	5	5							-----		
Unclassified-----	1	1	2,298,343	1,800,091	666	628	38	-----	-----	780,383	72,656
Wisconsin, total-----	45	46	1,522,773	1,160,450	441	374	43	24	14	395,314	81,040
1,000 - 4,999-----	4	3	12,815	21,845	16	12	1	3	1	6,674	1,200
5,000 - 9,999-----	6	5	43,927	42,654	27	22	1	4	4	13,020	1,658
10,000 - 14,999-----	6	6	74,351	76,355	43	38	3	2	1	27,947	3,344
15,000 - 24,999-----	10	9	193,037	152,964	92	78	8	6	4	60,530	12,452
25,000 - 49,999-----	5	5	163,013	118,028	60	48	11	1	1	47,893	17,354
50,000 - 99,999-----	4	4							-----		
100,000 - 199,999-----	2	2	726,425	567,686	155	134	18	3	2	179,982	44,492
200,000 - 499,999-----	12	12	299,205	175,918	48	42	1	5	1	59,368	540
Unclassified-----	12	12							-----		
Other States, total-----	35	26	2,097,771	2,104,461	804	745	48	11	3	652,544	96,233
1,000 - 4,999-----	4	4	13,515	34,195	23	22	1	-----	-----	14,450	1,820
5,000 - 9,999-----	3	1	45,840	104,798	42	35	5	2	-----	28,661	11,500
10,000 - 14,999-----	2	1							-----		
15,000 - 24,999-----	3	1	61,375	72,433	73	65	8	-----	-----	33,103	7,272
25,000 - 49,999-----	8	6	263,166	351,689	206	193	11	2	-----	141,881	16,620
50,000 - 99,999-----	5	4	368,772	404,625	142	129	7	6	2	132,325	18,809
100,000 - 199,999-----	7	6	939,004	768,341	242	231	10	1	1	222,379	25,407
200,000 - 499,999-----	1	1							-----		
Unclassified-----	2	2	406,099	368,380	76	70	6	-----	-----	79,745	14,805

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by quantity of limestone produced represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports for more than one quarry, mine, or preparation plant; reports on which figures were not adequately reported for classification; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 15.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF WAGE EARNERS, AND BY STATE: 1939¹

(For producing operations only)

STATE AND NUMBER OF WAGE EARNERS	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	1,192	1,028	108,436,772	\$77,146,887	27,055	24,482	2,051	542	214	\$24,903,301	\$4,453,040
None	2		2,411,124	2,202,432	5			5	5		
1 - 5	256	213			1,187	895	101	201	116	658,451	100,494
6 - 20	510	445	21,123,538	18,588,329	6,794	5,919	607	268	82	5,059,980	1,131,232
21 - 50	288	238	38,639,426	27,155,443	9,160	8,518	599	43	6	8,810,192	1,372,291
51 - 100	58	52	18,471,145	13,042,713	4,420	4,172	244	4	2	4,387,480	630,247
101 - 250	21	21									
251 - 500	2	2	24,746,137	15,511,258	4,244	3,997	247			5,183,103	687,037
Unclassified	75	57	3,045,402	2,666,714	1,245	991	233	21	3	804,115	531,739
Alabama, total	21	15	3,643,376	2,317,517	933	890	36	7	1	840,698	88,911
6 - 20	4	2	303,593	78,589	38	31	3	4		26,439	5,991
21 - 50	11	7	1,436,873	948,498	374	358	15	1		312,556	34,020
51 - 100	5	5									
101 - 250	1	1	1,902,910	1,290,430	521	501	18	2	1	501,703	48,900
Arkansas, total	9	7	236,426	144,115	94	84	7	3	1	60,597	9,511
1 - 5	2	1									
6 - 20	3	3	226,526	133,225	88	80	7	1	1	58,383	9,511
21 - 50	1										
Unclassified	3	3	9,900	10,890	6	4		2		2,204	
California, total	21	17	3,533,640	2,464,608	603	566	34	3	1	843,003	93,838
1 - 5	1	1									
6 - 20	11	9	1,017,005	599,474	165	149	14	2	1	225,153	37,031
21 - 50	5	3	1,323,757	843,716	179	170	9			283,626	31,380
51 - 100	3	3									
Unclassified	1	1	1,192,687	1,021,416	259	247	11	1		354,224	25,427
Colorado, total	14	4	742,970	380,400	156	141	12	3	2	142,162	37,042
1 - 5	3		12,255	14,677	9	7		2	1	4,809	
6 - 20	9	3									
21 - 50	1	1	730,715	365,723	147	134	12	1	1	137,353	37,042
Unclassified	1										
Florida, total	28	23	1,855,384	1,672,302	712	630	74	8	2	404,566	143,517
1 - 5	4	3	68,078	41,078	23	14	6	3	1	10,095	3,118
6 - 20	12	10	551,070	404,307	214	181	29	4	1	109,372	61,519
21 - 50	6	5									
51 - 100	2	1	1,059,337	990,291	362	330	32			200,637	64,880
Unclassified	4	4	176,899	236,628	113	105	7	1		84,462	14,000
Georgia, total	10	10	591,720	550,673	179	152	27			130,485	58,698
1 - 5	2	2									
6 - 20	5	5	220,465	229,214	85	87	18			41,384	37,128
21 - 50	3	3	371,235	321,459	94	85	9			89,101	21,570
Illinois, total	71	70	7,153,458	4,900,606	1,606	1,409	152	45	21	1,615,056	380,917
1 - 5	17	17	159,148	153,586	80	54	7	19	11	40,573	6,956
6 - 20	30	30	999,014	857,151	372	324	24	24	10	251,901	40,991
21 - 50	14	13	2,410,409	1,645,763	521	458	62	1		535,472	191,917
51 - 100	7	7	3,392,169	1,995,552	583	512	51			677,279	121,793
Unclassified	3	3	192,718	248,554	70	61	8	1		79,833	19,280
Indiana, total	70	63	3,502,756	2,585,934	1,013	888	71	54	27	749,961	115,996
1 - 5	17	13	98,060	109,497	82	80	8	14	11	32,280	8,580
6 - 20	38	35	1,345,063	1,011,202	477	409	30	38	15	308,896	54,409
21 - 50	11	11									
51 - 100	1	1	1,923,274	1,365,537	422	393	27	2	1	392,115	45,520
Unclassified	3	3	136,359	99,698	32	26	6			16,690	7,487
Iowa, total	38	35	1,993,685	1,308,015	452	382	37	33	18	393,223	56,741
1 - 5	16	14	86,545	85,882	81	62	3	16	14	32,202	2,394
6 - 20	16	15	655,071	537,869	194	152	26	16	4	153,119	41,341
21 - 50	6	6	1,402,069	684,264	177	168	8	1		207,905	13,006
Kansas, total	27	24	1,887,559	1,060,383	512	471	30	11	3	447,275	56,796
1 - 5	2	1									
6 - 20	17	16	971,598	505,412	233	208	15	10	3	172,678	23,293
21 - 50	7	6									
51 - 100	1	1	915,961	554,971	279	263	15	1		274,597	33,503
Kentucky, total	56	56	2,394,829	2,066,930	1,189	1,087	73	29	8	622,297	125,993
1 - 5	10	10	72,197	71,824	52	41	1	10	5	22,908	1,080
6 - 20	26	26	655,245	624,259	390	352	27	11	3	192,239	33,653
21 - 50	18	18									
51 - 100	2	2	1,666,187	1,370,847	747	694	45	8		407,150	91,250
Maryland, total	12	10	878,204	763,609	246	232	10	4		204,579	21,661
1 - 5	2	1									
6 - 20	5	4	109,789	128,364	64	60		4		37,925	
21 - 50	3	3									
Unclassified	2	2	768,415	635,445	182	172	10			166,654	21,661

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by average number of wage earners employed during the year represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent: Reports for more than one quarry, mine, or preparation plant; reports on which number of wage earners, by month, was not adequately reported; and reports for central offices reported separately from their associated quarries, mines, and plants.

MINERAL INDUSTRIES

TABLE 15.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF WAGE EARNERS, AND BY STATE: 1939¹—Continued

(For producing operations only)

STATE AND NUMBER OF WAGE EARNERS	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Michigan, total	16	13	14,459,861	\$6,896,564	1,492	1,371	120	1		\$1,923,153	\$330,027
1 - 5	3	2	26,168	36,455	15	12	2	1		13,006	2,072
6 - 20	4	2	318,084	152,305	46	43	3			45,872	5,209
21 - 50	3	3	643,552	396,143	106	98	8			89,570	12,680
51 - 100	3	3	2,811,663	1,697,004	360	334	26			467,397	76,372
101 - 250	2	2									
251 - 500	1	1	10,662,594	4,614,457	965	884	81			1,307,316	231,714
Missouri, total	80	63	4,540,716	3,826,289	1,902	1,767	116	19	3	1,485,789	217,893
1 - 5	8	6	40,415	47,697	41	34	6	1		23,710	2,072
6 - 20	42	33	1,068,221	966,419	555	502	42	11	3	362,283	77,980
21 - 50	23	19	2,643,124	2,031,490	819	785	47	7		751,403	88,554
51 - 100	6	5									
Unclassified	1		788,956	780,883	487	466	21			348,893	49,287
Nebraska, total	12	5	478,895	494,734	192	176	14	2	1	149,147	16,610
1 - 5	3	1	21,506	30,132	14	11	2	1	1	14,131	700
6 - 20	3		41,960	112,184	30	28	2			18,895	2,100
21 - 50	3	1	396,926	284,807	117	110	6	1		96,456	7,050
Unclassified	3	3	16,303	67,611	31	27	4			19,665	6,960
New York, total	62	59	9,068,348	6,958,442	1,612	1,414	179	19	4	2,022,712	482,117
1 - 5	13	12	205,850	201,164	66	47	7	12	3	53,918	10,873
6 - 20	29	28	1,784,232	1,699,773	447	366	74	7	1	437,113	199,259
21 - 50	16	15	2,735,782	1,917,221	533	478	55			671,008	150,898
51 - 100	2	2									
101 - 250	2	2	4,362,484	3,138,270	566	523	43			860,873	121,287
North Carolina, total	3	3	103,832	127,194	119	106	10	3	2	42,412	9,172
21 - 50	3	3	103,832	127,194	119	106	10	3	2	42,412	9,172
Ohio, total	139	134	12,740,649	9,092,273	2,750	2,439	209	82	34	2,505,825	464,752
1 - 5	45	43	542,842	418,406	210	150	14	46	26	106,424	16,581
6 - 20	59	58	2,785,555	2,180,489	749	636	77	36	8	502,343	150,924
21 - 50	26	24	5,410,500	4,054,307	923	860	65			982,519	177,104
51 - 100	3	3	652,572	358,470	177	166	11			187,397	16,993
101 - 250	4	4									
251 - 500	4	4	3,349,160	2,080,601	671	627	44			723,142	101,150
Unclassified	2	2									
Oklahoma, total	19	19	1,353,495	749,755	399	314	53	2	2	235,682	85,065
1 - 5	3	3	20,641	15,768	19	13	4	2	2	3,993	1,977
6 - 20	9	9	230,296	208,869	118	97	21			64,877	41,196
21 - 50	5	5									
Unclassified	2	2	1,102,558	524,118	232	204	28			166,812	39,892
Pennsylvania, total	184	162	18,865,516	14,554,976	4,881	4,398	367	116	51	5,040,317	893,772
None	2										
1 - 5	42	37	240,908	287,605	183	136	7	40	28	104,581	6,681
6 - 20	70	63	2,821,767	2,469,065	928	786	80	62	20	737,124	114,122
21 - 50	46	41	7,011,174	4,537,500	1,503	1,417	76	10	2	1,650,448	160,213
51 - 100	11	11	3,860,017	2,524,096	801	765	35	1	1	911,880	124,711
101 - 250	6	6									
251 - 500	1	1	4,754,857	4,539,290	1,310	1,236	74			1,603,859	225,767
Unclassified	6	3	174,793	197,430	156	58	95	3		32,425	242,276
Tennessee, total	37	30	1,635,078	1,242,833	638	595	34	9	2	423,326	55,093
1 - 5	9	8	47,782	76,223	41	34	3	4	1	19,896	2,200
6 - 20	12	11	295,932	231,369	162	148	12	2	1	85,752	13,216
21 - 50	7	7	865,372	563,281	235	226	9			202,805	20,975
Unclassified	9	4	425,992	371,960	200	187	10	3		114,873	18,700
Texas, total	24	17	2,713,893	1,190,311	567	536	30	1	1	364,740	64,828
1 - 5	3	1	31,006	19,430	12	11		1	1	6,433	14,735
6 - 20	11	7	1,460,508	413,469	164	156	8			128,857	14,735
21 - 50	4	3	490,777	220,020	142	139	3			85,925	5,000
51 - 100	3	3	616,602	437,372	205	195	10			125,527	26,880
Unclassified	3	3	115,000	100,000	44	35	9			18,000	22,413
Utah, total	10	6	396,630	214,959	82	75	3	4	3	80,765	6,170
1 - 5	3	1	7,354	13,600	10	8		2	2	9,334	
6 - 20	5	5	389,276	201,359	72	67	3	2	1	71,431	6,170
Unclassified	2										
Vermont, total	10	8	156,263	262,901	98	84	11	3		72,760	12,002
1 - 5	3	3	25,061	46,905	15	11	4			10,720	2,615
6 - 20	5	4									
Unclassified	2	1	131,182	215,996	83	73	7	3		62,040	9,387

¹For definition of the industry see tables 2 and 4, footnote 1. Reports classified by average number of wage earners employed during the year represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent: Reports for more than one quarry, mine, or preparation plant; reports on which number of wage earners, by month, was not adequately reported; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 15.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF WAGE EARNERS, AND BY STATE: 1939¹—Concluded

(For producing operations only)

STATE AND NUMBER OF WAGE EARNERS	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Virginia, total	61	51	3,272,031	\$3,424,383	1,689	1,561	108	20	7	\$1,132,885	\$203,505
1 - 5	5	3	31,582	35,910	22	17		5	3	9,148	
6 - 20	26	22	558,534	565,482	355	315	30	10	4	206,927	40,959
21 - 50	16	15	1,241,959	1,105,520	551	511	36	4		395,740	78,167
51 - 100	7	4	1,775,599	1,451,335	628	596	32			447,076	70,809
101 - 250	1	1									
Unclassified	6	6	266,357	266,136	133	122	10	1		75,982	13,570
Washington, total	18	7	1,563,231	933,414	339	314	19	6	1	434,676	41,151
1 - 5	3	1	5,230	13,960	14	10	2	2		12,596	1,000
6 - 20	6	2	289,436	217,315	79	67	10	2	1	85,767	24,554
21 - 50	7	4	1,268,565	702,139	246	237	7	2		336,313	15,597
Unclassified	2										
West Virginia, total	25	23	2,945,101	2,443,433	1,011	940	57	14	1	1,053,030	111,774
1 - 5	6	5	22,791	41,074	29	21	3	5		11,274	5,102
6 - 20	8	8	119,902	124,672	104	94	1	9	1	55,475	1,500
21 - 50	7	6	1,010,711	825,821	504	281	23			319,225	41,576
101 - 250	4	4	1,791,697	1,451,866	574	544	30			667,056	63,596
Wisconsin, total	49	46	1,522,773	1,160,450	441	374	43	24	14	395,314	81,040
1 - 5	17	15	227,860	170,931	71	54	4	13	9	47,071	8,858
6 - 20	15	14	403,445	327,296	195	167	22	6	4	146,325	33,610
21 - 50	3	3	559,441	443,151	112	98	14			130,521	35,052
Unclassified	14	14	332,027	219,072	63	55	3	5	1	71,397	5,520
Wyoming, total	6	2	387,578	366,547	152	139	10	3		132,061	21,186
6 - 20	3		227,063	174,625	25	22	1	2		29,749	2,040
21 - 50	2	2	160,515	191,922	127	117	9	1		102,332	19,146
51 - 100	1										
Other States, total	60	46	3,201,266	2,995,333	1,046	947	65	14	4	956,780	169,062
1 - 5	14	9	147,884	131,864	61	51	7	3	1	47,977	5,612
6 - 20	27	21	1,217,374	1,143,771	361	324	30	7		366,462	55,367
21 - 50	11	11	1,371,048	1,525,032	515	463	30	2	1	445,210	84,201
51 - 100	1	1									
101 - 250	1	1									
Unclassified	6	3	464,960	194,666	109	89	18	2	2	95,131	43,582

¹For definition of the industry see tables 2 and 4, footnote 1. Reports classified by average number of wage earners employed during the year represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent: Reports for more than one quarry, mine, or preparation plant; reports on which number of wage earners, by month, was not adequately reported; and reports for central offices reported separately from their associated quarries, mines, and plants.

MINERAL INDUSTRIES

TABLE 16.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK AND BY STATE: 1939¹

(For producing operations only)

STATE AND HOURS PER WEEK	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	1,192	1,028	108,436,772	\$77,146,887	27,055	24,482	2,031	542	214	\$24,903,301	\$4,453,040
1 - 34	10	7	864,565	511,598	309	289	18	4	-----	239,490	38,549
35 - 39	4	2	877,451	245,926	108	104	4	-----	-----	106,039	8,111
40	19	16	3,623,208	1,370,355	554	510	21	3	1	534,899	40,274
41 - 42	382	330	65,381,709	40,534,522	12,228	11,400	727	101	39	13,496,959	1,778,812
43 - 44	155	133	13,940,090	11,288,056	4,178	3,789	562	27	15	3,582,212	725,860
45 - 47	136	108	7,776,275	7,308,341	2,572	2,283	210	79	28	2,077,207	418,885
48	22	21	882,058	805,832	354	296	23	15	6	310,449	41,471
49 - 53	119	109	3,891,818	4,048,190	1,835	1,598	158	81	33	1,355,498	350,380
54 - 59	20	19	452,935	471,087	266	224	24	18	8	165,094	29,718
60 and over	65	56	2,196,935	1,968,535	909	801	72	36	14	552,008	120,251
Unclassified	59	58	2,988,608	2,879,161	1,032	897	69	48	16	754,532	195,849
Unclassified	203	169	5,589,293	5,725,348	2,750	2,291	327	132	54	1,747,114	708,910
Alabama, total	21	15	3,643,376	2,317,517	933	890	36	7	1	840,698	88,911
1 - 34	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
36 - 39	1	-----	3,120,537	1,863,376	627	611	22	4	-----	665,571	61,051
40	12	11	-----	-----	-----	-----	-----	-----	-----	-----	-----
41 - 42	4	2	175,181	201,883	152	143	8	1	-----	99,144	18,610
43 - 44	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	2	2	347,658	252,278	144	156	6	2	1	75,983	9,250
Arkansas, total	9	7	236,426	144,115	94	84	7	3	1	60,597	9,511
40	3	3	164,618	84,459	38	35	3	-----	-----	33,675	6,028
43 - 44	3	1	61,908	48,768	49	44	4	1	1	24,718	3,435
48	3	3	9,900	10,890	7	5	-----	2	-----	2,204	-----
California, total	21	17	3,533,649	2,464,606	603	586	34	3	1	843,003	93,838
36 - 39	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
40	9	7	3,219,681	1,966,405	444	420	23	1	1	641,168	59,356
41 - 42	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
43 - 44	2	2	73,082	122,487	40	36	4	-----	-----	46,621	8,131
48	5	4	-----	-----	-----	-----	-----	-----	-----	-----	-----
54 - 59	1	1	240,906	375,734	119	110	7	2	-----	155,216	26,351
Unclassified	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Colorado, total	14	4	742,970	380,400	158	141	12	3	2	142,162	37,042
40	7	3	689,030	289,034	101	95	5	1	1	102,742	12,957
41 - 42	2	1	39,456	73,210	44	40	2	2	1	33,568	4,455
43 - 44	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48	2	-----	14,484	18,156	11	6	5	-----	-----	5,832	19,630
Florida, total	28	23	1,855,384	1,672,302	712	630	74	8	2	404,566	143,517
40	6	5	441,756	358,810	134	121	13	-----	-----	67,008	20,780
41 - 42	3	2	122,160	89,507	68	56	11	1	-----	24,855	10,068
43 - 44	3	2	168,898	131,632	98	90	8	-----	-----	38,529	18,482
48	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
54 - 59	2	1	210,273	97,556	30	21	9	-----	-----	19,816	17,772
60 and over	5	5	733,420	834,747	274	254	19	1	-----	204,718	55,923
Unclassified	8	8	178,877	179,850	108	88	14	6	2	48,660	20,514
Georgia, total	10	10	591,720	550,673	179	152	27	-----	-----	130,465	58,698
40	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
41 - 42	5	5	463,052	299,922	117	96	21	-----	-----	80,519	39,828
43 - 44	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
54 - 59	2	2	128,668	250,751	62	56	6	-----	-----	49,966	18,870
Illinois, total	71	70	7,153,458	4,900,806	1,806	1,409	152	45	21	1,615,058	380,917
36 - 39	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
40	18	17	4,552,975	2,693,082	796	716	74	6	2	911,357	195,653
41 - 42	15	15	1,047,002	976,017	294	262	27	5	3	282,481	53,207
43 - 44	4	4	344,231	163,168	106	93	5	8	3	109,605	10,016
45 - 47	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
48	6	6	655,692	542,284	140	106	29	5	2	186,691	93,231
49 - 53	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
54 - 59	4	4	65,790	72,563	49	39	4	6	3	27,540	4,455
60 and over	6	6	266,382	214,582	80	50	4	6	3	56,690	4,475
Unclassified	13	13	221,386	218,910	161	143	9	6	5	90,694	19,680
Indiana, total	70	63	3,502,756	2,585,954	1,013	898	71	54	27	749,981	115,996
36 - 39	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
40	17	15	2,082,684	1,280,707	430	409	16	5	3	401,548	24,600
41 - 42	7	6	236,835	227,959	102	87	10	5	5	67,790	15,318
43 - 44	7	4	280,410	240,522	100	84	13	3	3	70,947	22,105
45 - 47	3	3	99,852	72,349	47	40	4	3	2	25,777	5,753
48	7	7	130,979	123,969	72	58	7	3	6	37,841	18,920
49 - 53	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
54 - 59	3	2	102,554	90,652	35	29	-----	6	2	20,965	-----
60 and over	12	12	299,925	328,475	113	98	12	13	1	68,053	16,233
Unclassified	11	11	269,517	221,321	114	95	9	12	7	87,080	12,787

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent: Reports on which number of hours was not reported; reports on which no wage earners were reported; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 16.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK AND BY STATE: 1939¹—Continued

(For producing operations only)

STATE AND HOURS PER WEEK	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Iowa, total	38	35	1,993,685	\$1,308,015	452	382	37	33	18	\$393,226	\$56,741
1 - 34	1	1	1,472,790	758,899	205	187	9	9	2	221,010	14,058
40	11	11									
41 - 42	4	3	94,784	158,591	60	47	12	1	1	35,899	19,166
43 - 44	3	2	81,658	86,768	34	26	5	3	1	35,234	13,302
45 - 47	1	1									
48	4	4									
49 - 53	1	1	164,080	150,557	64	51	6	7	5	45,581	6,465
54 - 59	1	1									
60 and over	6	6	113,550	90,118	45	33	4	8	6	29,489	3,394
Unclassified	6	5	66,823	63,284	44	38	1	5	3	28,013	356
Kansas, total	27	24	1,887,559	1,060,383	512	471	30	11	3	447,275	58,796
1 - 34	1	1	1,253,603	462,137	209	196	11	2		192,749	22,943
40	9	8									
41 - 42	5	4	137,962	158,851	79	73	5	1		64,331	5,112
43 - 44	2	1	296,496	340,815	175	156	13	6	3	155,255	27,631
48	7	7									
60 and over	2	2	199,498	98,580	49	46	1	2		54,940	1,110
Unclassified	1	1									
Kentucky, total	56	56	2,394,629	2,066,930	1,189	1,087	73	29	8	622,297	125,993
1 - 34	1	1	895,364	688,188	424	394	21	9	2	236,316	35,564
35	1	1									
40	18	18									
43 - 44	4	4	206,122	215,374	110	99	9	2		69,220	13,802
45 - 47	2	2									
48	6	6	335,453	373,636	178	157	16	5		100,829	26,843
49 - 53	2	2									
54 - 59	12	12	691,753	555,187	318	294	19	5	3	141,026	28,480
60 and over	3	3	208,832	175,588	109	101	6	2		57,919	17,855
Unclassified	7	7	57,105	60,957	50	42	2	6	3	16,987	5,449
Maryland, total	12	10	876,204	763,809	246	232	10	4		204,579	21,661
40	4	4	521,085	304,094	95	92	2	1		94,884	4,980
43 - 44	2	2									
45 - 47	1	1	150,674	189,518	61	55	4	2		44,582	9,681
48	1	1									
Unclassified	4	2	206,445	270,197	90	85	4	1		65,133	7,000
Massachusetts, total	7	7	328,313	515,141	173	155	17	1		158,448	33,337
40	4	4	147,214	258,614	92	80	11	1		90,667	22,843
41 - 42	3	3	179,099	256,527	81	75	6			67,781	10,494
Michigan, total	16	13	14,459,861	6,686,364	1,432	1,371	120	1		1,923,153	330,027
40	10	8									
41 - 42	1	1	14,432,206	6,851,074	1,471	1,353	118			1,905,268	327,955
48	1	1									
Unclassified	4	3	27,655	45,290	21	18	2	1		17,885	2,072
Minnesota, total	10	10	281,737	284,472	119	109	7	3	3	101,992	11,390
40	1	1									
41 - 42	1	1	77,566	77,986	41	37	3	1	1	34,133	5,200
43 - 44	1	1									
48	1	1									
60 and over	2	2	125,861	129,698	34	31	3			41,701	5,190
Unclassified	4	4	78,310	76,788	44	41	1	2	2	26,158	1,000
Missouri, total	80	63	4,540,716	3,826,289	1,902	1,767	116	19	3	1,485,789	217,893
1 - 34	2	1	644,794	227,834	115	114	1			121,377	1,680
36 - 39	2	2									
40	18	16	1,553,441	1,231,518	532	505	23	4	2	508,916	44,820
41 - 42	15	11	1,272,861	1,144,657	458	406	32			415,795	54,274
43 - 44	17	10	219,024	280,230	160	161	17	2		90,331	26,865
48	11	11	432,051	534,171	419	385	23	11	1	206,444	46,055
54 - 59	2	2									
Unclassified	13	10	418,545	407,879	218	196	20	2		142,906	44,399
Montana, total	7	3	328,783	194,568	72	64	5	3		78,210	7,308
40	3	2	208,723	83,639	24	20	4			33,215	6,108
41 - 42	2	1									
45 - 47	1		120,060	110,929	46	44	1	3		44,995	1,200
48	1										
Nebraska, total	12	5	478,895	494,734	192	176	14	2	1	149,147	16,810
40	1	1									
41 - 42	3	3	279,353	157,192	52	48	4			63,317	6,960
43 - 44	5		98,938	135,542	80	73	7			39,962	6,850
Unclassified	3	1	100,404	202,000	60	55	3	2	1	45,868	3,000
New Jersey, total	6	3	631,420	358,339	124	100	23	1		127,281	48,206
40	3	1	612,386	300,065	95	87	8			116,825	11,127
Unclassified	3	2	19,034	58,274	29	13	15	1		10,466	37,079

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent: Reports on which number of hours was not reported; reports on which no wage earners were reported; and reports for central offices reported separately from their associated quarries, mines, and plants.

MINERAL INDUSTRIES

TABLE 16.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK AND BY STATE: 1939¹--Continued

(For producing operations only)

STATE AND HOURS PER WEEK	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
New York, total	62	59	9,088,348	\$6,956,448	1,612	1,414	179	19	4	\$2,022,712	\$482,117
40	22	21	4,248,427	2,522,337	669	607	57	5		866,338	146,647
41 - 42	10	10	747,152	791,188	217	168	31			207,454	71,027
43 - 44	8	7	2,709,428	2,407,264	401	347	50	4	1	582,576	154,698
46	7	7	168,575	286,661	91	80	8	3	1	105,528	26,119
54 - 59	2	2									
60 and over	5	5	771,987	649,414	142	115	26	1	1	168,401	84,619
Unclassified	8	7	442,779	299,584	92	79	7	6	1	94,415	19,007
Ohio, total	139	134	12,740,649	9,092,273	2,730	2,439	209	82	34	2,503,925	464,752
40	52	49	6,375,882	4,341,168	1,158	1,072	65	21	12	1,089,711	130,314
41 - 42	18	17	3,406,169	2,470,460	739	682	55	2	2	809,387	149,956
43 - 44	18	18	1,647,509	1,153,375	358	311	33	12	4	318,006	75,702
45 - 47	3	3	76,147	79,806	26	21	2	3	1	15,829	1,617
48	17	17	424,027	391,363	159	129	20	10	4	102,527	29,902
49 - 53	2	2									
54 - 59	4	4	222,476	151,264	63	51	7	5	1	42,696	15,438
60 and over	4	4	65,877	44,021	24	16	2	6	3	12,112	1,323
Unclassified	21	20	520,862	460,816	205	157	25	23	7	115,557	60,300
Oklahoma, total	19	19	1,353,495	748,755	369	314	55	2	2	235,682	83,065
36 - 39	1	1									
40	3	3	436,655	189,096	95	88	6	1	1	70,636	7,129
41 - 42	8	8									
43 - 44	1	1	674,610	405,746	192	165	28	1	1	110,317	47,683
46	1	1									
Unclassified	5	5	242,250	155,913	82	65	19			54,729	28,053
Pennsylvania, total	184	162	18,863,516	14,554,976	4,861	4,398	367	116	51	5,040,317	893,772
1 - 34	1	1									
35	2	1	804,357	355,361	131	125	6			139,611	20,126
36 - 39	3	3	852,522	294,244	88	87	1			118,952	3,060
40	64	55	15,390,122	9,508,032	2,859	2,695	140	26	9	3,441,020	421,973
41 - 42	9	7	712,903	643,185	205	192	9	4	3	189,397	24,222
43 - 44	22	22	567,151	756,424	336	290	21	25	7	240,408	25,291
45 - 47	7	7	276,553	270,185	100	88	6	6	3	99,750	6,332
48	16	15	314,450	370,075	195	174	14	7	3	144,983	16,001
49 - 53	11	10	215,304	235,877	129	107	11	11	7	90,007	17,713
54 - 59	9	7	109,588	120,232	83	71	4	8	4	57,993	4,684
60 and over	6	6	402,109	459,806	165	142	16	3	1	112,854	17,782
Unclassified	34	28	1,218,477	1,551,555	592	429	137	26	14	405,482	336,088
Tennessee, total	37	30	1,635,076	1,242,833	638	595	34	9	2	423,326	55,093
1 - 34	1	1									
40	12	11	968,343	561,097	296	278	16	2	1	236,541	27,129
41 - 42	1	1									
43 - 44	2	2	245,579	264,808	102	94	8			61,303	13,294
49 - 53	1	1									
54 - 59	6	5	51,451	64,745	50	45	2	3		24,583	1,220
60 and over	2	2									
Unclassified	12	7	569,705	352,183	190	178	8	4	1	100,919	13,450
Texas, total	24	17	2,713,895	1,190,311	567	536	30	1	1	364,740	64,828
1 - 34	1										
35	1										
36 - 39	1	1	316,436	74,384	50	48	2			35,662	3,884
40	8	4	1,269,334	330,582	118	115	3			113,885	5,451
41 - 42	3	3									
43 - 44	1	1	456,455	320,235	167	155	12			86,668	24,230
46	3	3	253,563	193,844	131	127	4			68,905	8,850
54 - 59	4	4									
60 and over	1		396,125	271,266	101	91	9	1	1	59,620	22,413
Unclassified	1	1									
Utah, total	10	6	396,630	214,959	82	75	3	4	3	80,765	6,170
40	4	2	181,216	59,180	17	16	1			22,371	2,640
41 - 42	1	1									
43 - 44	2	2	117,200	93,267	43	39	2	2	1	38,235	3,530
45 - 47	1	1									
48	1		96,214	62,512	22	20		2	2	20,159	
Unclassified	1										
Vermont, total	10	8	156,263	262,801	98	84	11	3		72,760	12,002
40	1										
43 - 44	2	2	75,350	151,547	34	31	3			33,709	1,008
48	2	2									
54 - 59	1	1	4,506	19,754	15	12	2	1		6,794	1,991
Unclassified	4	3	76,405	91,600	49	41	6	2		32,257	9,003
Virginia, total	61	51	3,872,031	3,424,383	1,689	1,561	108	20	7	1,132,885	203,505
36 - 39	1	1	1,609,849	1,304,063	552	521	30	1		442,637	62,941
40	15	13									
41 - 42	15	12	1,545,486	1,366,806	641	594	47			411,288	92,527
43 - 44	6	5	116,543	124,183	98	88	7	3		57,344	10,529
46	2	2									
49 - 53	1	1	46,722	49,848	42	36	1	5	3	22,802	240
54 - 59	4	4	155,196	181,318	77	68	9			47,152	16,980
60 and over	4	4	52,172	55,441	53	50	1	2		27,239	1,204
Unclassified	15	9	346,083	342,724	226	204	13	9	4	124,223	19,084

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent: Reports on which number of hours was not reported; reports on which no wage earners were reported; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 16.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK AND BY STATE: 1939¹ — Concluded

(For producing operations only)

STATE AND HOURS PER WEEK	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Washington, total	18	7	1,563,231	\$933,414	339	314	19	6	1	\$434,676	\$41,151
40	15	5	1,451,525	753,096	267	248	14	5	1	362,274	34,290
43 - 44	2										
54 - 59	1		111,706	180,318	72	66	5	1		72,402	6,861
Unclassified	2	2									
West Virginia, total	25	23	2,945,101	2,443,433	1,011	940	57	14	1	1,053,030	111,774
1 - 34	1	1	449,455	281,636	169	159	10			137,143	27,885
36 - 39	2	2									
40	7	7	1,982,397	1,580,736	534	505	29			714,266	42,398
41 - 42	1							5		130,164	26,477
43 - 44	4	4	337,477	345,055	204	188	11				
48	3	3						5		37,863	9,914
54 - 59	1	1	121,522	140,547	46	37	4	5		33,594	5,102
Unclassified	6	5	54,250	95,459	58	51	3	4	1		
Wisconsin, total	49	46	1,522,773	1,160,450	441	374	43	24	14	395,514	81,040
36 - 39	1		537,280	501,005	142	123	16	3	2	166,177	36,217
40	13	13									
41 - 42	9	8	399,416	255,051	140	121	17	2		91,908	25,625
43 - 44	7	7	117,072	56,483	31	25		6	6	19,250	
45 - 47	1	1									
48	7	7	193,151	165,264	69	54	8	7	4	52,721	16,020
54 - 59	2	2									
Unclassified	9	8	275,854	182,647	59	51	2	6	2	63,258	3,178
Other States, total	39	28	2,124,423	2,136,554	829	764	53	12	3	665,332	99,179
36 - 39	2	2	1,191,317	1,032,187	361	350	31			303,454	66,690
40	13	11									
41 - 42	8	6	470,938	533,942	177	169	6	2	2	163,816	12,567
43 - 44	3	2	102,376	177,620	95	68	6	1		66,954	10,117
48	3	1	147,889	135,950	36	32	1	3	1	50,954	1,307
54 - 59	2	1	159,301	171,517	100	92	3	5		49,690	2,952
60 and over	1	1									
Unclassified	7	4	52,602	85,336	40	33	6	1		30,464	3,546

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent: Reports on which number of hours was not reported; reports on which no wage earners were reported; and reports for central offices reported separately from their associated quarries, mines, and plants.

TABLE 17.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF DAYS ACTIVE DURING THE YEAR: 1939¹

(For producing operations only)

NUMBER OF DAYS ACTIVE DURING YEAR	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	1,192	1,028	106,436,772	\$77,146,887	27,055	24,482	2,031	542	214	\$24,903,301	\$4,453,040
1 - 49	45	39	376,937	378,134	219	170	26	23	12	102,951	20,165
50 - 99	105	92	2,416,016	2,055,597	1,198	1,007	122	69	37	692,392	152,701
100 - 149	159	146	6,520,355	6,345,542	2,398	2,103	207	88	29	1,883,092	470,027
150 - 199	204	198	15,163,468	11,448,051	4,371	3,961	322	88	40	3,726,643	653,466
200 - 224	123	107	10,464,667	7,572,193	2,709	2,472	174	63	28	2,416,390	433,002
225 - 249	123	107	21,263,599	13,677,338	4,413	4,076	267	70	20	4,757,255	734,450
250 - 274	128	108	19,402,794	12,382,543	3,999	3,696	265	38	13	4,048,193	592,323
275 - 299	124	97	9,551,294	2,777	2,777	2,551	207	19	9	2,865,496	470,566
300 - 324	87	74	14,260,218	7,957,538	2,758	2,592	142	24	8	2,704,568	260,305
325 and over	80	63	9,634,920	2,914,731	804	746	53	5		863,375	121,434
Unclassified	25	19	3,475,360	2,914,731	1,409	1,106	246	55	18	844,945	564,601

¹ For definition of the industry see tables 2 and 4, footnote 1. Reports classified by number of days active represent a single quarry or mine, a single preparation plant, or a single quarry or mine and a single preparation plant reported together; such reports for a single quarry or mine or a single preparation plant were classified by number of days the quarry or mine or preparation plant was in operation for production or development purposes during the year; such reports for a single quarry or mine and a single preparation plant reported together were classified by number of days the quarry or mine was in operation during the year. Statistics shown for "Unclassified" represent: Reports for more than one quarry, mine, or preparation plant; reports on which number of days active was not reported; and reports for central offices reported separately from their associated mineral operations.

MINERAL INDUSTRIES

TABLE 18.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹
(For producing operations only)

STATE AND TONS OF LIMESTONE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	1,192	1,028	108,436,772	\$77,146,887	27,055	24,482	2,031	542	214	\$24,903,301	\$4,453,640
Less than 0.20	12	10	33,253	189,818	118	103	14	-----	-----	86,490	22,173
0.20 - 0.39	51	42	399,975	766,555	674	601	37	36	10	370,854	41,551
0.40 - 0.59	116	101	1,798,974	2,627,500	2,034	1,848	122	64	23	1,113,277	187,901
0.60 - 0.79	133	107	2,618,351	3,514,320	2,153	1,952	133	68	21	1,471,680	209,586
0.80 - 0.99	85	65	3,667,886	3,912,124	2,098	1,945	111	42	12	1,578,295	162,785
1.00 - 1.49	187	165	8,728,707	8,915,302	4,020	3,649	296	75	19	3,177,143	560,448
1.50 - 1.99	109	104	8,243,854	7,186,152	2,547	2,314	179	54	14	2,358,111	368,823
2.00 - 2.49	93	86	11,536,403	9,576,956	2,786	2,549	213	24	7	3,060,911	547,610
2.50 - 2.99	70	65	11,783,499	7,944,960	2,285	2,105	172	8	2	2,533,028	413,720
3.00 - 6.99	138	131	45,893,522	24,549,020	5,514	5,084	411	19	3	7,007,788	1,172,491
7.00 and over	25	16	6,448,827	1,839,038	382	351	30	1	1	497,644	82,403
Unclassified	175	156	7,285,541	6,025,362	2,444	1,981	313	150	102	1,640,080	685,549
Alabama, total	21	15	3,643,376	2,317,517	933	890	36	7	1	840,698	88,911
0.40 - 0.59	3	3	185,261	184,293	174	166	6	2	1	95,310	9,280
0.60 - 0.79	5	1	137,950	140,950	128	121	2	5	-----	71,059	5,060
0.80 - 0.99	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.00 - 1.49	3	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.00 - 2.49	1	1	1,136,345	958,700	352	337	15	-----	-----	364,767	59,716
2.50 - 2.99	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3.00 - 6.99	3	3	919,930	389,822	107	103	4	-----	-----	129,289	11,031
7.00 and over	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	3	2	1,265,889	665,752	172	163	9	-----	-----	180,273	25,844
Arkansas, total	9	7	256,426	144,115	94	84	7	3	1	60,597	9,511
0.20 - 0.39	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.40 - 0.59	1	1	33,671	59,775	37	31	5	1	1	31,965	4,336
0.60 - 0.79	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.80 - 0.99	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.00 - 1.49	1	-----	202,755	84,340	57	53	2	2	-----	28,632	5,175
7.00 and over	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	3	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
California, total	21	17	3,533,649	2,484,606	603	566	34	3	1	843,003	95,886
0.20 - 0.39	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.40 - 0.59	2	2	102,101	288,222	113	107	5	1	1	134,383	11,635
0.60 - 0.79	4	3	96,429	161,752	82	56	6	-----	-----	76,786	13,531
1.00 - 1.49	3	3	154,718	260,950	82	57	4	1	-----	82,146	18,780
2.00 - 2.49	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.50 - 2.99	3	3	779,028	669,950	159	151	8	-----	-----	227,278	21,092
3.00 - 6.99	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
7.00 and over	2	-----	1,899,166	810,226	139	132	7	-----	-----	228,342	19,429
Unclassified	3	2	502,207	273,506	68	63	4	1	-----	94,068	9,371
Colorado, total	14	4	742,970	380,400	156	141	12	3	2	142,162	37,042
Less than 0.20	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.40 - 0.59	2	-----	37,891	71,933	43	41	2	-----	-----	36,287	4,455
0.60 - 0.99	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.00 - 1.49	4	-----	29,199	35,078	13	12	-----	1	1	11,935	-----
3.00 - 6.99	2	2	599,141	191,325	63	59	4	-----	-----	65,299	9,929
7.00 and over	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	3	-----	77,239	82,064	37	29	6	2	1	28,641	22,658
Florida, total	28	23	1,855,384	1,672,302	712	630	74	8	2	404,566	143,517
0.40 - 0.59	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.60 - 0.79	1	1	243,575	500,342	188	173	15	-----	-----	84,406	29,626
0.80 - 0.99	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.00 - 1.49	6	5	275,748	291,859	119	111	7	1	-----	66,777	7,711
1.50 - 1.99	1	1	133,412	102,860	46	37	8	1	-----	26,899	24,303
2.00 - 2.49	2	2	548,238	280,273	77	66	11	-----	-----	41,811	24,512
3.00 - 6.99	3	1	654,411	696,988	282	243	33	6	2	184,673	57,565
Unclassified	12	11	-----	-----	-----	-----	-----	-----	-----	-----	-----
Georgia, total	10	10	591,720	550,673	179	152	27	-----	-----	130,485	58,698
0.40 - 0.59	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.60 - 0.79	1	1	59,481	78,985	39	36	5	-----	-----	24,197	4,805
0.80 - 0.99	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.00 - 1.49	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.50 - 1.99	1	1	403,657	355,972	97	93	4	-----	-----	98,807	5,040
3.00 - 6.99	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	3	3	128,582	115,716	43	23	20	-----	-----	7,481	48,833
Illinois, total	71	70	7,133,458	4,900,606	1,606	1,409	152	45	21	1,615,058	380,917
0.20 - 0.39	2	2	66,446	126,084	87	74	7	6	5	52,555	13,118
0.40 - 0.59	6	6	191,212	201,001	187	151	8	8	2	96,944	12,238
0.60 - 0.79	12	12	71,516	76,990	50	45	3	2	2	39,326	4,920
0.80 - 0.99	3	3	288,037	345,020	117	101	10	6	5	114,034	14,615
1.00 - 1.49	7	7	274,748	240,042	75	61	7	-----	-----	63,548	16,000
1.50 - 1.99	4	4	470,383	361,750	114	104	10	-----	-----	125,172	16,974
2.00 - 2.49	4	4	984,221	665,710	200	172	26	2	-----	218,016	37,076
2.50 - 2.99	7	7	-----	-----	-----	-----	-----	-----	-----	-----	-----
3.00 - 6.99	15	15	-----	-----	-----	-----	-----	-----	-----	-----	-----
7.00 and over	1	1	4,518,032	2,669,057	708	627	77	4	1	836,066	235,326
Unclassified	10	9	288,665	164,952	90	74	4	12	10	69,677	11,250

¹ For definition of the industry, see tables 2 and 4, footnote 1. Except as noted, each report was classified by output per man-hour. Reports on which man-hours worked were not reported, reports on which figures were otherwise not adequately reported for classification, and reports for central offices reported separately from their associated quarries, mines, and plants are included in statistics shown for "Unclassified."

TABLE 18.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹—Continued
(For producing operations only)

STATE AND TONS OF LIMESTONE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries and mines	Number of prepara- tion plants	Production of Limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
Indiana, total	70	65	3,502,756	\$2,585,954	1,015	888	71	54	27	\$749,981	\$115,996
0.40 - 0.59	9	7	62,253	68,549	83	70	2	11	8	36,927	2,880
0.60 - 0.79	7	6	47,532	49,483	64	55	5	4	3	24,755	3,055
0.80 - 0.99	5	4	83,309	85,161	55	49	6	—	—	42,900	10,880
1.00 - 1.49	14	14	505,349	452,669	239	212	11	16	3	170,091	16,851
1.50 - 1.99	9	9	707,683	607,540	206	179	23	4	2	162,197	43,450
2.00 - 2.49	3	3	126,794	113,416	39	32	5	2	—	25,499	8,608
2.50 - 2.99	2	2	—	—	—	—	—	—	—	—	—
3.00 - 6.99	6	6	1,639,362	933,621	207	195	12	2	—	202,616	23,625
7.00 and over	1	1	—	—	—	—	—	—	—	—	—
Unclassified	14	12	328,484	275,695	120	96	7	15	11	86,996	4,847
Iowa, total	58	55	1,993,685	1,308,015	452	382	37	33	18	393,226	56,741
0.20 - 0.39	4	4	14,238	18,497	25	21	—	4	4	10,633	—
0.40 - 0.59	6	6	30,816	32,884	42	34	1	7	2	15,813	347
0.60 - 0.79	3	3	—	—	—	—	—	—	—	—	—
0.80 - 0.99	1	1	62,856	143,246	55	42	10	3	1	34,272	15,546
1.00 - 1.49	5	4	127,669	114,922	67	57	5	5	—	45,388	6,092
1.50 - 1.99	1	1	—	—	—	—	—	—	—	—	—
2.00 - 2.49	1	1	250,035	196,364	55	42	11	2	1	62,735	22,572
2.50 - 2.99	2	2	—	—	—	—	—	—	—	—	—
3.00 - 6.99	3	3	1,011,023	460,575	69	79	8	2	—	120,596	10,990
7.00 and over	1	1	497,048	341,527	119	107	2	10	10	103,789	1,594
Unclassified	11	10	—	—	—	—	—	—	—	—	—
Kansas, total	27	24	1,887,559	1,060,385	512	471	30	11	5	447,275	56,796
0.40 - 0.59	1	1	148,026	192,746	139	124	11	4	1	104,065	21,844
0.60 - 0.79	6	6	—	—	—	—	—	—	—	—	—
0.80 - 0.99	4	3	76,673	92,095	49	43	3	2	—	33,443	2,532
1.00 - 1.49	5	4	145,842	172,146	84	77	3	4	1	58,864	5,200
1.50 - 1.99	4	4	321,040	211,346	98	89	8	1	1	71,958	16,151
2.00 - 2.99	2	2	—	—	—	—	—	—	—	—	—
3.00 - 6.99	4	4	1,195,978	392,050	143	138	5	—	—	178,925	11,069
7.00 and over	1	1	—	—	—	—	—	—	—	—	—
Kentucky, total	56	56	2,394,629	2,066,950	1,169	1,087	73	29	8	622,297	125,993
0.20 - 0.39	4	4	56,808	65,217	86	78	2	6	1	30,681	1,950
0.40 - 0.59	6	6	56,547	64,535	74	69	2	3	1	30,820	1,725
0.60 - 0.79	11	11	283,905	299,137	268	250	9	9	—	132,747	12,266
0.80 - 0.99	5	5	163,406	146,111	112	103	6	3	2	51,199	7,266
1.00 - 1.49	16	16	851,300	718,009	377	346	28	3	2	193,816	50,311
1.50 - 1.99	5	5	329,557	267,198	112	103	9	—	—	65,583	21,201
2.00 - 2.49	4	4	—	—	—	—	—	—	—	—	—
2.50 - 2.99	1	1	635,427	474,268	140	123	17	—	—	105,431	31,252
Unclassified	4	4	37,679	32,455	20	15	—	5	2	12,020	—
Maryland, total	12	10	878,204	763,809	246	232	10	4	—	204,579	21,661
0.40 - 0.59	1	1	—	—	—	—	—	—	—	—	—
0.60 - 0.99	3	3	39,639	49,463	31	28	—	3	—	19,599	—
1.50 - 1.99	2	2	—	—	—	—	—	—	—	—	—
2.50 - 2.99	1	1	233,177	204,075	74	70	4	—	—	55,441	9,681
Unclassified	5	3	605,388	510,271	141	134	6	1	—	129,539	11,980
Massachusetts, total	7	7	326,313	515,141	173	155	17	1	—	158,448	33,337
0.20 - 0.39	1	1	—	—	—	—	—	—	—	—	—
0.40 - 0.59	1	1	100,533	258,271	103	87	15	1	—	87,178	29,520
0.60 - 0.79	2	2	—	—	—	—	—	—	—	—	—
1.00 - 1.49	1	1	—	—	—	—	—	—	—	—	—
1.50 - 1.99	1	1	225,780	256,870	70	68	2	—	—	71,270	3,817
2.50 - 2.99	1	1	—	—	—	—	—	—	—	—	—
Michigan, total	16	13	14,459,861	6,896,364	1,492	1,371	120	1	—	1,923,153	330,027
Less than 0.20	1	1	—	—	—	—	—	—	—	—	—
0.20 - 0.39	1	1	—	—	—	—	—	—	—	—	—
0.40 - 0.59	1	1	26,120	110,215	24	21	3	—	—	20,093	3,592
1.00 - 1.49	1	1	—	—	—	—	—	—	—	—	—
1.50 - 1.99	1	1	—	—	—	—	—	—	—	—	—
2.00 - 2.49	1	1	764,821	377,267	151	141	9	1	—	180,589	16,765
2.50 - 2.99	2	1	—	—	—	—	—	—	—	—	—
3.00 - 6.99	6	6	—	—	—	—	—	—	—	—	—
7.00 and over	1	1	13,688,920	6,408,882	1,317	1,209	108	—	—	1,722,471	309,670
Unclassified	1	1	—	—	—	—	—	—	—	—	—
Missouri, total	80	63	4,540,716	3,826,289	1,902	1,767	116	19	3	1,485,769	217,893
0.20 - 0.39	9	4	91,709	105,536	162	149	12	1	—	58,348	5,085
0.40 - 0.59	14	12	234,020	336,441	293	277	15	1	—	123,190	16,016
0.60 - 0.79	13	10	260,750	403,866	201	187	11	3	3	186,946	21,181
0.80 - 0.99	7	5	244,318	215,880	139	133	4	2	—	117,676	6,637
1.00 - 1.49	15	13	849,224	858,290	448	419	27	2	—	369,429	63,330
1.50 - 1.99	6	6	679,919	742,275	221	204	16	1	—	233,011	47,884
2.00 - 2.49	2	2	—	—	—	—	—	—	—	—	—
2.50 - 2.99	1	1	272,142	230,687	76	68	8	—	—	72,522	15,297
3.00 - 6.99	5	4	1,586,376	654,764	149	147	2	—	—	211,260	6,400
Unclassified	8	6	322,258	298,570	213	185	21	9	—	95,587	36,063

¹ For definition of the industry, see tables 2 and 4, footnote 1. Except as noted, each report was classified by output per man-hour. Reports on which man-hours worked were not reported, reports on which figures were otherwise not adequately reported for classification, and reports for central offices reported separately from their associated quarries, mines, and plants are included in statistics shown for "Unclassified."

TABLE 16.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹—Continued

(For producing operations only)

STATE AND TONS OF LIMESTONE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Montana, total	7	3	328,783	\$194,568	72	64	5	3		\$78,210	\$7,100
0.80 - 0.79	1										
0.80 - 0.99	1		80,365	89,642	41	36	2	3		37,130	1,800
1.00 - 1.49	1										
1.50 - 1.99	1										
2.00 - 2.49	2	2	248,420	104,926	31	28	3			41,080	5,500
7.00 and over	1	1									
Nebraska, total	12	5	478,695	494,734	192	176	14	2	1	149,147	18,800
0.40 - 0.59	6	3	100,651	182,416	101	92	9			51,461	17,000
0.60 - 0.79	3		91,901	188,121	58	53	4	1		38,407	3,300
0.80 - 0.99	1										
5.00 - 6.99	1	1	286,143	124,197	33	31	1	1	1	59,279	7,500
Unclassified	1	1									
New Jersey, total	6	3	631,420	558,339	124	100	23	1		127,291	48,200
0.80 - 0.99	1	1	443,015	216,956	88	82	5	1		92,756	19,200
2.00 - 2.49	2										
3.00 - 6.99	1	1	188,405	141,383	36	18	18			34,535	38,200
Unclassified	2	1									
New York, total	62	59	9,088,548	6,956,448	1,612	1,414	179	19	4	2,022,712	482,400
Less than 0.20	1	1									
0.20 - 0.39	2	2	35,600	218,453	73	62	11			83,628	19,300
0.40 - 0.59	2	2									
0.60 - 0.79	2	2	65,212	132,585	64	55	8	1		45,493	11,800
1.00 - 1.49	9	8	302,412	368,309	133	109	19	5		107,275	42,300
1.50 - 1.99	10	10	583,512	570,464	164	142	19	3	1	162,468	51,200
2.00 - 2.49	13	11	842,284	712,658	213	177	24	2		261,374	42,900
2.50 - 2.99	4	4	442,760	450,129	94	87	17			102,055	59,300
3.00 - 6.99	15	15	6,785,553	4,468,776	851	768	81	2		1,247,260	255,400
Unclassified	4	4	31,015	34,894	20	14		6	3	13,159	
Ohio, total	139	134	12,740,849	9,092,273	2,730	2,439	209	82	34	2,503,825	464,200
Less than 0.20	1		17,426	20,483	28	24		4	1	12,357	
0.20 - 0.39	2	2									
0.40 - 0.59	7	7	44,296	51,182	73	61	1	11	2	27,054	1,800
0.60 - 0.79	7	7	41,273	50,101	52	41	2	9	3	22,980	3,400
0.80 - 0.99	10	9	646,351	551,158	301	278	15	8	2	244,055	29,200
1.00 - 1.49	16	15	497,012	441,289	220	196	16	8	3	182,890	25,600
1.50 - 1.99	19	19	905,496	655,014	282	254	18	10	5	266,039	37,800
2.00 - 2.49	20	20	1,686,918	1,319,184	332	339	33	10	5	345,482	101,200
2.50 - 2.99	15	15	3,255,802	2,167,217	595	552	41	2	1	633,878	81,300
3.00 - 6.99	24	24	4,303,584	3,163,718	651	590	59	2		662,688	147,200
7.00 and over	3	1	447,987	185,381	25	23	2		1	39,750	4,300
Unclassified	15	15	584,904	487,566	121	81	22	18	15	66,675	49,200
Oklahoma, total	19	19	1,353,495	748,755	369	314	53	2	2	235,682	83,200
0.20 - 0.39	1	1									
0.40 - 0.59	1	1	98,232	82,344	85	71	14			41,839	9,700
1.00 - 1.49	3	3									
1.50 - 1.99	1	1									
2.00 - 2.49	2	2	556,596	204,916	97	88	9			62,749	12,900
2.50 - 2.99	1	1									
3.00 - 6.99	6	6	847,860	414,179	134	120	14			111,309	39,800
Unclassified	4	4	50,807	47,316	53	35	16	2	2	19,785	20,800
Pennsylvania, total	184	162	18,863,516	14,554,976	4,881	4,598	367	116	51	5,040,317	891,200
Less than 0.20	1	1									
0.20 - 0.39	6	6	80,054	144,149	130	116	6	8	2	91,378	6,300
0.40 - 0.59	13	12	156,204	205,070	189	165	12	12	6	107,518	16,000
0.60 - 0.79	13	17	352,162	432,271	244	223	12	9	4	195,378	15,700
0.80 - 0.99	14	13	894,746	1,072,978	535	497	29	9	2	428,469	37,100
1.00 - 1.49	23	27	1,130,054	1,209,674	525	458	49	18	5	458,822	82,000
1.50 - 1.99	22	22	1,586,181	1,308,008	478	433	30	15	3	464,133	53,900
2.00 - 2.49	16	16	5,329,073	4,905,846	1,321	1,239	77	5	2	1,644,882	252,200
2.50 - 2.99	6	5	1,017,790	839,355	194	178	15	1		244,809	51,400
3.00 - 6.99	23	20									
7.00 and over	2	1	8,023,351	3,578,584	887	860	25	2		1,211,155	99,000
Unclassified	31	22	495,901	659,041	378	229	112	37	27	213,775	279,200
Tennessee, total	37	30	1,635,078	1,242,833	638	593	34	9	2	423,326	51,000
0.20 - 0.39	1	1									
0.40 - 0.59	5	5	59,117	80,036	64	58	4	2		31,692	3,400
0.60 - 0.79	8	8	118,039	134,336	111	99	10	2	2	55,722	12,600
0.80 - 0.99	2	1									
1.00 - 1.49	6	6	181,146	185,593	104	93	7	4		57,268	10,300
1.50 - 1.99	1	1									
2.00 - 2.49	2	1	344,578	246,212	88	87	1			74,031	2,500
2.50 - 2.99	5	1									
3.00 - 6.99	2	1	645,604	294,882	105	102	5			114,412	8,700
Unclassified	7	4	286,594	301,774	166	156	9	1		90,201	17,100

¹ For definition of the industry, see tables 2 and 4, footnote 1. Except as noted, each report was classified by output per man-hour. Reports on which man-hours were not reported, reports on which figures were otherwise not adequately reported for classification, and reports for central offices reported separately from their associated quarries, mines, and plants are included in statistics shown for "Unclassified."

TABLE 18.—SELECTED STATISTICS FOR CRUSHED AND BROKEN LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹—Continued
(For producing operations only)

STATE AND TONS OF LIMESTONE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries and mines	Number of prepara- tion plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total ^a	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Texas, total	24	17	2,713,893	\$1,190,311	587	536	30	1	1	\$364,740	\$64,828
Less than 0.20	1	1									
0.20 - 0.39	1		70,652	76,198	105	102	3			38,029	3,400
0.40 - 0.59	2	1									
0.60 - 0.79	2	1									
1.00 - 1.49	8	7	637,141	451,086	248	234	14			138,875	30,140
2.00 - 2.49	1	1									
2.50 - 2.99	2	1	775,452	384,927	135	131	4			111,376	10,006
3.00 - 6.99	1	1									
7.00 and over	5	4									
Unclassified	1		1,232,648	278,130	79	69	9	1	1	76,460	21,282
Utah, total	10	6	398,630	214,959	82	75	3	4	3	80,765	6,170
Less than 0.20	1	1									
0.60 - 0.79	2		6,206	9,800	7	7				9,481	
0.80 - 0.99	1	1									
1.50 - 1.99	2	2	188,367	158,624	62	58	2	2	1	60,431	3,530
2.50 - 2.99	1	1									
7.00 and over	1	1									
Unclassified	2		202,057	46,535	13	10	1	2	2	10,855	2,640
Vermont, total	10	8	156,263	262,901	98	84	11	3		72,760	12,002
Less than 0.20	1	1									
0.20 - 0.39	2	2	4,508	19,754	15	12	2	1		6,794	1,991
0.60 - 0.79	2	1									
1.00 - 1.49	2	2	110,439	185,736	53	48	5			45,549	7,187
2.00 - 2.49	1	1									
Unclassified	2	1	41,316	57,411	30	24	4	2		20,417	2,824
Virginia, total	61	51	3,872,031	3,424,383	1,689	1,561	108	20	7	1,132,865	203,505
Less than 0.20	2	2									
0.20 - 0.39	5	5	41,333	74,451	71	63	5	3	1	35,094	4,940
0.40 - 0.59	9	9	175,556	192,647	177	161	15	1		95,549	18,564
0.60 - 0.79	8	7	252,558	290,215	173	155	13	5		120,129	21,285
0.80 - 0.99	5	4	486,358	467,185	244	237	6	1		181,113	8,512
1.00 - 1.49	8	7	932,731	811,089	399	370	29			250,614	57,069
1.50 - 1.99	9	7	794,555	668,926	270	253	16	1		184,028	44,210
2.00 - 2.49	2	1									
2.50 - 2.99	3	3	852,525	574,114	174	161	13			167,931	28,646
Unclassified	10	6	356,415	345,756	181	161	11	9	6	98,427	20,259
Washington, total	18	7	1,563,231	933,414	359	314	19	6	1	434,676	41,151
Less than 0.20	2	1									
0.20 - 0.39	1	1	8,085	19,981	26	21	2	3		17,700	1,000
0.40 - 0.59	1										
0.60 - 0.79	3		89,507	123,953	70	66	1	3	1	79,186	2,109
0.80 - 0.99	3		105,296	173,217	63	58	5			63,991	5,861
1.00 - 1.49	2	1	349,364	261,165	84	78	6			111,560	18,497
2.50 - 2.99	2	2									
3.00 - 6.99	3	2	1,010,959	555,098	96	91	5			162,209	13,684
7.00 and over	1										
West Virginia, total	25	23	2,945,101	2,443,433	1,011	940	57	14	1	1,033,030	111,774
0.20 - 0.39	2	2	40,667	75,265	60	48	3	9		31,128	4,802
0.40 - 0.59	4	4	398,179	408,317	214	201	11	2		181,752	27,017
0.80 - 0.99	4	3	547,414	470,098	230	218	11	1		265,726	18,474
1.00 - 1.49	5	5	1,223,795	920,679	323	309	14			405,049	26,405
1.50 - 1.99	3	3	707,916	531,574	155	138	17			158,248	35,276
2.00 - 2.49	2	2									
2.50 - 2.99	2	2	27,130	37,500	29	26	1	2	1	11,127	1,800
Unclassified	3	2									
Wisconsin, total	49	46	1,522,773	1,160,450	441	374	43	24	14	395,314	81,040
0.20 - 0.39	1										
0.40 - 0.59	1	1	59,370	77,120	64	56	7	1		36,588	9,870
0.60 - 0.79	4	3									
0.80 - 0.99	3	3	75,795	57,012	48	42	4	2	2	26,534	4,442
1.00 - 1.49	7	7	162,355	205,825	85	72	11	2	1	71,874	22,529
1.50 - 1.99	3	3	137,365	87,490	54	30	1	3	2	36,447	3,600
2.00 - 2.49	10	9	200,396	154,724	61	50	8			57,137	14,092
2.50 - 2.99	3	3	50,728	39,809	12	10		2	1	10,564	
3.00 - 6.99	8	8	756,917	467,841	107	91	10	6	2	135,868	21,527
7.00 and over	1	1	79,847	70,629	30	23	2	5	5	20,302	4,980
Unclassified	8	8									
Wyoming, total	6	2	387,578	366,547	152	139	10	3		132,081	21,186
0.40 - 0.59	2	1	84,642	96,113	92	85	4	3		57,395	5,257
0.60 - 0.79	1										
1.00 - 1.49	1	1	302,936	270,434	60	54	6			74,686	15,929
Unclassified	2										
Other States, total	43	36	2,018,582	2,054,479	796	734	60	12	6	635,243	89,383
0.20 - 0.39	2	2	124,257	178,102	167	152	14	1		68,628	13,362
0.40 - 0.59	6	6									
0.60 - 0.79	5	4	240,717	355,718	182	171	9	2	2	113,510	26,027
0.80 - 0.99	2	2									
1.00 - 1.49	8	5	322,517	495,564	154	144	10			148,369	15,398
1.50 - 1.99	3	2	188,775	204,909	49	42	5	4		53,713	5,190
2.00 - 2.49	3	3	135,037	130,442	33	31		2	1	43,371	
2.50 - 2.99	3	3	522,295	447,648	100	92	8			106,855	18,573
3.00 - 6.99	4	4	365,786	124,724	44	41	3			55,344	6,333
7.00 and over	1	1									
Unclassified	6	6	119,200	117,372	67	61	3	3	3	45,653	4,500

¹ For definition of the industry, see tables 2 and 4, footnote 1. Except as noted, each report was classified by output per man-hour. Reports on which man-hours worked were not reported, reports on which figures were otherwise not adequately reported for classification, and reports for central offices reported separately from their associated quarries, mines, and plants are included in statistics shown for "Unclassified."

MINERAL INDUSTRIES

TABLE 19 — SUMMARY STATISTICS FOR LIMESTONE QUARRIES AND MINES OPERATED IN CONJUNCTION WITH CEMENT PLANTS, BY STATE: 1939¹
(For producing operations only)

STATE	Number of operating companies	Number of quarries and mines ²	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED			PRINCIPAL EXPENSES						
					Total ³	Wage earners (average for the year)	Salaried employees	Total	Wages	Salaries	Supplies and materials	Fuel	Purchased electric energy	Contract work ⁴
United States, total—	⁵ 69	125	29,072,518	\$12,378,018	3,658	3,552	106	\$8,470,757	\$4,718,889	\$245,761	\$2,555,635	\$317,169	\$478,462	\$154,841
Alabama	5	6	1,422,897	564,172	183	179	4	419,411	205,080	11,031	135,663	11,545	49,259	7,033
California	7	7	2,617,476	1,271,325	227	215	12	601,249	361,202	31,429	300,169	10,427	36,883	61,739
Illinois	5	5	1,283,177	503,862	166	162	4	315,296	208,276	4,455	78,250	17,877	6,438	—
Indiana	3	3	839,644	281,225	84	84	—	180,344	107,375	—	58,463	10,877	3,829	—
Iowa	4	4	1,218,006	541,778	123	123	—	308,033	163,423	—	97,316	18,145	—	29,149
Kansas	8	8	1,239,004	444,608	164	160	4	342,047	199,275	9,959	107,374	18,767	6,672	—
Michigan	3	3	622,482	209,630	79	77	2	95,603	66,954	3,689	17,274	6,231	1,455	—
Missouri	4	5	1,413,482	619,599	200	196	4	456,938	253,340	11,800	139,897	18,122	33,779	—
New York	8	9	1,736,433	766,240	233	226	7	579,299	339,409	22,188	165,616	16,339	33,952	1,815
Ohio	6	7	1,293,052	601,157	199	190	9	408,498	232,979	20,170	131,238	19,523	4,588	—
Pennsylvania	18	23	6,909,388	2,869,508	860	845	15	2,072,988	1,223,583	38,962	556,417	84,549	130,291	39,386
Tennessee	5	6	819,647	394,919	145	142	3	294,706	159,487	8,770	96,264	8,425	19,760	—
Texas	6	7	1,545,772	553,652	115	111	4	239,515	119,992	8,135	90,035	6,631	13,761	961
Washington	3	4	919,888	318,279	94	91	3	259,174	156,636	9,394	82,587	5,957	4,600	—
Other States ⁶	24	28	5,191,970	2,648,264	786	751	35	1,697,056	921,878	65,779	497,072	64,154	133,415	14,758

¹ Figures for limestone quarries and mines operated in conjunction with cement plants are included in statistics in tables 1 through 16.

² Since more than one quarry or mine may be operated in conjunction with 1 manufacturing establishment, the number of mines is not equivalent to the number of manufacturing establishments which included mining activities in their reports to the Census of Manufactures.

³ No proprietors or firm members were reported.

⁴ Contract work is defined by the Census of Manufactures as "Cost of contract and commission work done for you outside the plant on materials supplied by you in the manufacture of products reported." In the Census of Mineral Industries contract work includes such services as stripping, hauling, shaft sinking, and boring test holes. The actual extent of duplication in this item is not clearly determinable because of the difference in definition of cost of contract work.

⁵ One company had operations in 8 of the State classifications, 2 in 7 classifications, 1 in 6, 1 in 5, 2 in 3, and 8 in 2 classifications.

⁶ Includes Arkansas, Colorado, Florida, Georgia, Idaho, Maine, Maryland, Minnesota, Montana, Nebraska, New Jersey, Oklahoma, Oregon, Utah, Virginia, West Virginia, and Wyoming.

TABLE 20.—SUMMARY STATISTICS FOR LIMESTONE QUARRIES AND MINES OPERATED IN CONJUNCTION WITH LIME PLANTS, BY STATE: 1939¹

(For producing operations only)

STATE	Number of operating companies	Number of quarries and mines ²	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED			PRINCIPAL EXPENSES							
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members	Total	Wages	Salaries	Supplies and materials	Fuel	Purchased electric energy	Contract work ³
United States, total—	⁴ 128	151	10,205,994	\$9,596,848	3,509	3,275	199	35	\$5,418,237	\$3,120,440	\$356,957	\$1,149,853	\$352,157	\$425,225	\$13,605
Alabama	6	7	256,746	286,428	221	206	10	5	206,475	140,373	21,670	32,625	980	10,827	—
Arizona	3	3	212,167	207,581	54	48	1	5	134,016	60,972	1,052	19,791	49,760	2,441	—
California	4	4	111,332	154,642	60	55	5	—	115,796	73,042	10,148	19,803	4,516	7,799	468
Connecticut	3	3	64,138	157,361	39	34	5	—	83,911	39,561	12,460	20,640	479	10,771	—
Illinois	4	4	111,940	143,675	61	52	6	3	92,527	46,030	12,319	17,840	6,365	9,973	—
Indiana	4	4	211,329	176,384	100	95	5	—	125,132	79,023	6,380	21,454	7,649	10,626	—
Maryland	3	3	209,795	231,898	88	85	3	—	99,130	62,702	5,000	19,615	1,600	10,213	—
Massachusetts	4	4	201,773	312,416	111	100	10	1	156,932	95,206	16,980	20,389	8,674	15,683	—
Missouri	6	7	875,427	724,692	283	273	10	—	421,909	285,689	10,660	73,287	27,310	24,943	—
Ohio	13	14	3,909,228	2,816,158	712	679	32	1	1,627,428	846,237	77,147	431,630	124,500	146,324	1,590
Pennsylvania	20	25	1,499,876	1,655,864	490	452	29	9	799,560	420,736	60,410	193,522	43,777	78,761	2,354
Tennessee	7	7	311,084	311,724	170	160	9	1	133,136	92,187	17,100	10,231	4,116	9,500	—
Texas	5	5	67,528	58,644	58	57	1	—	42,385	32,449	1,200	7,279	1,457	—	—
Utah	3	3	67,356	66,850	25	24	1	—	44,524	22,912	1,990	12,380	2,465	4,777	—
Vermont	7	7	132,603	220,784	82	71	8	3	86,831	60,401	8,719	6,626	629	9,987	469
Virginia	20	21	712,006	766,131	416	387	27	2	454,866	282,292	46,631	68,457	28,474	22,820	6,194
Washington	3	4	140,811	212,699	98	94	3	1	133,782	94,971	5,570	25,756	6,327	1,138	—
West Virginia	3	3	361,643	305,177	96	88	7	1	220,610	126,929	6,483	63,030	943	23,225	—
Wisconsin	5	8	131,319	122,581	92	81	10	1	90,384	56,896	11,424	5,215	6,023	8,316	2,510
Other States ⁵	15	15	617,693	664,937	253	234	17	2	348,921	201,832	23,594	60,283	26,111	17,101	—

¹ Figures for limestone quarries and mines operated in conjunction with lime plants are included in statistics in tables 1 through 18.

² Since more than one quarry or mine may be operated in conjunction with a manufacturing establishment, the number of mines is not equivalent to the number of manufacturing establishments which included mining activities in their reports to the Census of Manufactures.

³ Contract work is defined by the Census of Manufactures as "Cost of contract and commission work done for you outside the plant on materials supplied by you in the manufacture of products reported." In the Census of Mineral Industries contract work includes such services as stripping, hauling, shaft sinking, and boring test holes. The actual extent of duplication in this item is not clearly determinable because of the difference in definition of cost of contract work.

⁴ One company had operations in 6 of the State classifications, 1 in 3 classifications, and 3 in 2 classifications.

⁵ Includes Arkansas, Florida, Georgia, Kentucky, Maine, Nevada, New Jersey, New York, Oklahoma, Rhode Island, South Carolina, and South Dakota.

TABLE 21.—PRINCIPAL STATISTICS FOR ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

ITEM	United States	Florida	Indiana	Kansas	Pennsylvania	Texas	Wisconsin	Other States ²
Number of operating companies	55	3	14	7	4	3	14	15
Number of quarries ³	64	3	16	7	4	3	14	17
Number of preparation plants (crushing, screening, washing, storage)	13	—	—	2	1	—	9	1
Number of persons engaged, total	1,257	9	617	77	11	18	244	281
Wage earners (average for the year)	1,137	6	567	68	7	18	217	254
Salaried employees	98	1	50	4	—	—	18	25
Proprietors and firm members	22	2	—	5	4	—	9	2
Performing manual labor	11	1	—	2	1	—	6	1
Production of limestone: ⁴								
Tons of 2,000 pounds	1,341,001	5,460	824,026	53,150	12,856	5,546	145,792	294,171
Value at quarries	\$3,508,684	\$35,400	\$2,324,358	\$78,468	\$14,726	\$23,974	\$474,063	\$557,695
Value of all products	\$3,508,714	\$35,400	\$2,324,358	\$78,428	\$14,756	\$23,974	\$474,063	\$557,695
Principal expenses designated below, total	\$1,811,495	\$9,056	\$1,027,428	\$51,473	\$9,167	\$19,751	\$337,592	\$357,026
Wages	\$1,263,999	\$2,580	\$692,210	\$37,530	\$7,069	\$10,645	\$264,584	\$249,361
Salaries	\$185,311	\$1,170	\$124,303	\$3,725	—	—	\$23,952	\$32,161
Supplies and materials	\$159,112	\$2,120	\$102,248	\$1,048	\$750	\$990	\$21,548	\$30,408
Fuel	\$61,821	\$361	\$15,712	\$7,436	\$488	\$1,931	\$15,667	\$22,226
Purchased electric energy	\$116,593	—	\$83,175	\$1,734	\$500	—	\$11,302	\$19,822
Contract work	\$24,657	\$2,825	\$9,780	—	\$360	\$6,185	\$2,559	\$2,968
Cost of buildings, machinery, and equipment erected or installed during year	\$77,544	—	\$34,617	\$13,476	—	\$6,829	\$17,397	\$5,225
Buildings	\$8,671	—	\$904	\$2,082	—	\$600	\$2,890	\$2,195
Machinery and equipment, total	\$68,873	—	\$33,713	\$11,394	—	\$6,229	\$14,507	\$5,030
Purchased in new condition	\$44,180	—	\$28,529	\$5,740	—	—	\$7,761	\$2,150
Purchased in used condition	\$24,693	—	\$5,184	\$5,654	—	\$6,229	\$6,746	\$680
Total number of man-shifts worked by wage earners	278,822	1,232	141,794	15,078	1,826	4,278	51,905	62,709
Total number of man-hours worked by wage earners	2,200,068	9,848	1,134,414	112,525	15,022	34,222	404,759	489,278
Average number of hours worked per shift	7.9	8.0	8.0	7.5	8.2	8.0	7.8	7.8
Average hourly earning of wage earners	\$0.57	\$0.26	\$0.61	\$0.33	\$0.47	\$0.31	\$0.65	\$0.51
Tons of limestone produced per man-hour	0.61	0.55	0.73	0.47	0.66	0.16	0.36	0.60
Average number of equivalent full days operations were active	179	205	176	164	203	234	212	162
Horsepower rating of power equipment, total	33,806	45	21,957	1,397	261	354	3,172	6,620
Per wage earner	29.7	7.5	68.7	20.5	37.3	19.7	14.6	26.1
Stationary equipment ⁶	16,956	—	11,563	448	114	50	1,333	3,448
Mobile equipment ⁷	16,850	45	10,394	949	147	304	1,839	3,172
Electric energy consumed (thousands of kw.-hrs.), total	5,156	—	3,835	29	15	—	367	910
Purchased	5,126	—	3,805	29	15	—	367	910
Generated by reporting companies	30	—	30	—	—	—	—	—

¹ For definition of the limestone industry see table 2, footnote 1. Tables 21 through 35 cover only those operations in the industry that were engaged principally in the production of rough-dimension limestone. No nonproducing operations were reported.

² Missouri and Nebraska, 3 quarries each; Alabama, Minnesota, and Ohio, 2 quarries each; California, Illinois, Kentucky, Montana, and Virginia, 1 quarry each.

³ Two companies had operations in 3 of the designated areas and 1 company had operations in 2 of the areas.

⁴ Includes one combination (open-cut and underground) mine.

⁵ Figures represent quantity and value of rough- rather than dressed-dimension stone; they include 172,168 short tons of crushed and broken stone, valued at \$116,644, produced by quarries engaged principally in the production of rough-dimension stone.

⁶ Aggregate horsepower rating of engines, motors, etc. used for driving stationary or fixed equipment such as hoists, screens, crushers, compressors, etc.

⁷ Aggregate horsepower rating of engines, motors, etc. used for driving mobile equipment such as power shovels, locomotives, trucks, tractors, churn drills, etc.

TABLE 25.—NUMBER OF ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, WORKING ONE, TWO, OR THREE SHIFTS, AND NUMBER OF MAN-SHIFTS WORKED, BY SHIFT, AND BY STATE: 1939¹

SHIFT	UNITED STATES		Florida	Indiana	Kansas	Pennsylvania	Texas	Wisconsin	Other States
	Number	Percent of total							
Number of quarries, total ²	64	100.0	3	16	7	4	3	14	17
Working 1 shift per day	57	89.1	3	11	6	4	3	14	16
Working 2 shifts per day	4	6.2		2	1				1
Working 3 shifts per day	3	4.7		3					
Number of man-shifts worked by wage earners on active days, total	270,592	100.0	1,232	134,736	14,936	1,826	4,216	51,845	61,801
During first shift	253,182	93.6	1,232	124,516	13,425	1,826	4,216	51,845	56,102
During second shift	14,493	5.3		7,283	1,511				5,699
During third shift	2,937	1.1		2,937					
At quarries, total ²	265,021	100.0	1,232	133,444	14,020	1,826	4,216	48,882	61,601
During first shift	247,591	93.4	1,232	123,224	12,509	1,826	4,216	48,882	55,902
During second shift	14,493	5.5		7,283	1,511				5,699
During third shift	2,937	1.1		2,937					
At preparation plants ³	5,571	100.0		1,292	916	200		2,963	200

¹For definition of the industry see footnote 1, tables 2 and 21.²Includes 1 combination (open-cut and underground) mine.³All man-shifts were worked during first shift.TABLE 26.—QUANTITY OF FUEL AND ELECTRIC ENERGY CONSUMED AT ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

STATE	FUEL ²				ELECTRIC ENERGY (thousands of kilowatt-hours)		
	Anthracite (tons of 2,000 pounds)	Bituminous coal (tons of 2,000 pounds)	Fuel oils (barrels of 42 gallons)	Gasoline and kerosene (gallons)	Total	Purchased	Generated by reporting companies
United States, total	16	6,520	1,041	272,989	5,156	5,126	30
Florida				1,950			
Indiana	15	3,908	143	30,292	3,835	3,805	30
Kansas				69,749	29	29	
Pennsylvania				3,240	15	15	
Texas		49	486	6,330			
Wisconsin	1	150	108	77,897	367	367	
Other States		2,413	304	83,531	910	910	

¹For definition of the industry see footnote 1, tables 2 and 21.²No natural gas was reported consumed.

TABLE 27.—NUMBER AND HORSEPOWER RATING OF PRIME MOVERS AND ELECTRIC MOTORS AT ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE AND BY STATE: 1939¹

TYPE OF OPERATION AND STATE	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY										
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy	
		Total		Driving generators		Not driving generators		Ordinarily idle (included in preceding columns)		Number	Horsepower
		Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower		
United States, total	33,808	180	9,189	2	425	158	8,764	5	777	860	24,617
Stationary	16,958	47	2,449	2	425	45	2,024	5	777	471	14,507
Mobile	16,850	113	6,740			113	6,740			389	10,110
TYPE OF OPERATION											
Quarries only, total ²	32,347	140	8,292	2	425	138	7,867	5	777	858	24,055
Stationary	16,141	42	2,186	2	425	40	1,771	5	777	449	13,945
Mobile	16,206	98	6,096			98	6,096			389	10,110
Quarries and preparation plants operated together, total	1,459	20	897			20	897			22	562
Stationary	815	5	253			5	253			22	562
Mobile	644	15	644			15	644				
STATE											
Florida (mobile only)	45	3	45			3	45				
Indiana, total	21,957	13	1,644	2	425	11	1,219	2	425	735	20,313
Stationary	11,563	2	425	2	425			2	425	372	11,138
Mobile	10,394	11	1,219			11	1,219			363	9,175
Kansas, total	1,397	20	1,172			20	1,172			4	225
Stationary	449	2	223			2	223			4	225
Mobile	948	18	949			18	949				
Pennsylvania, total	261	7	211			7	211			2	50
Stationary	114	2	64			2	64			2	50
Mobile	147	5	147			5	147				
Texas, total	354	11	354			11	354				
Stationary	50	1	50			1	50				
Mobile	304	10	304			10	304				
Wisconsin, total	3,172	34	2,147			34	2,147			41	1,025
Stationary	1,333	9	308			9	308			41	1,025
Mobile	1,839	25	1,839			25	1,839				
Other States, total	6,820	72	3,616			72	3,616	3	352	73	3,004
Stationary	3,448	31	1,379			31	1,379	3	352	52	2,089
Mobile	3,172	41	2,237			41	2,237			26	935

¹For definition of the industry see footnote 1, tables 2 and 21.²Includes one combination (underground and open-cut) mine.TABLE 28.—NUMBER OF POWER-LOADING MACHINES AT ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, BY TYPE, BY KIND OF POWER USED, BY SIZE, AND BY STATE: 1939¹

TYPE, KIND OF POWER USED, AND SIZE	United States	Florida	Indiana	Kansas	Pennsylvania	Texas	Wisconsin	Other States
Power shovels, total	39		11	3	2	3	8	12
Kind of power used:								
Steam	6					2	1	3
Electric	3		3					
Internal-combustion engine	30		8	3	2	1	7	9
Dipper capacity (cu. yds.):								
Less than 3	36		11	3	2	3	5	12
3 to 5	2						2	
More than 5	1						1	
Dragline excavators ²	1						1	
Scraper loaders ³	1			1				
Clamshell or orange-peel loaders ⁴	1						1	
Cranes and hoists, total	110	1	70	2			3	34
Kind of power used:								
Steam	18	1					1	16
Electric	85		70				1	14
Internal-combustion engine	7			2			1	4
Other types, total ⁵	2						2	
Kind of power used:								
Electric	1						1	
Internal-combustion engine	1						1	

¹ For definition of the industry see footnote 1, tables 2 and 21. Represents surface equipment only; no underground equipment was reported.² Driven by internal-combustion engine and had bucket capacity less than 3 cubic yards.³ Driven by internal-combustion engine; hoist rated at 25 - 100 horsepower.⁴ Driven by internal-combustion engine.⁵ One bucket-type loader and 1 belt-conveyor loader.

MINERAL INDUSTRIES

TABLE 29.—SELECTED STATISTICS FOR INCORPORATED AND FOR UNINCORPORATED OPERATING COMPANIES ENGAGED IN ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, BY STATES: 1939 ¹

STATE	Number of operating companies	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries
						Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members		
United States, total	55	64	13	1,341,001	\$3,508,714	1,257	1,137	98	22	\$1,263,999	\$185,311
Incorporated	31	35	7	1,180,104	3,103,121	987	903	84	22	1,060,556	171,043
Unincorporated	24	29	6	160,897	405,593	270	234	14	22	203,443	14,268
Florida, total	3	3	—	5,460	35,400	9	6	1	2	2,580	1,170
Incorporated	1	1	—	5,460	35,400	9	6	1	2	2,580	1,170
Unincorporated	2	2	—	—	—	—	—	—	—	—	—
Indiana ²	14	16	—	824,026	2,324,358	617	567	50	—	692,210	124,303
Kansas, total	7	7	2	53,150	78,468	77	68	4	5	37,530	3,725
Incorporated	1	1	1	53,150	78,468	77	68	4	5	37,530	3,725
Unincorporated	6	6	1	—	—	—	—	—	—	—	—
Pennsylvania ³	4	4	1	12,856	14,756	11	7	—	4	7,069	—
Texas, total	3	3	—	5,546	23,974	18	18	—	—	10,645	—
Incorporated	1	1	—	5,546	23,974	18	18	—	—	10,645	—
Unincorporated	2	2	—	—	—	—	—	—	—	—	—
Wisconsin, total	14	14	9	145,792	474,063	244	217	18	9	264,584	23,952
Incorporated	7	7	5	102,366	276,874	132	117	15	—	145,744	20,792
Unincorporated	7	7	4	43,406	195,189	112	100	3	9	118,840	3,160
Other States, total	13	17	1	294,171	557,695	281	254	25	2	249,381	32,161
Incorporated	8	9	1	231,455	448,037	221	204	17	—	214,756	24,577
Unincorporated	5	8	—	62,716	109,658	60	50	8	2	34,625	7,574

¹For definition of the industry see footnote 1, tables 2 and 21.²All companies were incorporated.³All companies were unincorporated.TABLE 30.—SELECTED STATISTICS FOR ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY VALUE OF PRODUCTS AND BY STATE: 1939 ¹

STATE AND VALUE OF PRODUCTS	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	64	13	1,341,001	\$3,508,714	1,257	1,137	98	22	11	\$1,263,999	\$185,311
\$1 - \$19,999	30	7	115,962	237,657	186	158	14	14	8	120,196	9,468
\$20,000 - \$49,999	13	2	155,436	404,639	197	168	26	3	—	143,183	34,046
\$50,000 - \$99,999	13	4	304,710	960,669	371	339	27	5	3	421,082	68,536
\$100,000 - \$249,999	6	—	—	—	—	—	—	—	—	—	—
\$250,000 - \$499,999	1	—	764,893	1,905,749	503	472	31	—	—	579,538	75,241
\$500,000 - \$999,999	1	—	—	—	—	—	—	—	—	—	—
Florida, total	3	—	5,460	35,400	9	6	1	2	1	2,580	1,170
\$1 - \$19,999	2	—	5,460	35,400	9	6	1	2	1	2,580	1,170
\$20,000 - \$49,999	1	—	—	—	—	—	—	—	—	—	—
Indiana, total	16	—	824,026	2,324,358	617	567	50	—	—	692,210	124,303
\$20,000 - \$49,999	4	—	70,993	157,034	72	65	7	—	—	57,299	10,990
\$50,000 - \$99,999	5	—	166,215	447,223	141	126	15	—	—	167,546	48,072
\$100,000 - \$249,999	5	—	—	—	—	—	—	—	—	—	—
\$250,000 - \$499,999	1	—	585,818	1,720,101	404	376	28	—	—	457,365	66,141
\$500,000 - \$999,999	1	—	—	—	—	—	—	—	—	—	—
Kansas, total	7	2	53,150	78,468	77	68	4	5	2	37,530	3,725
\$1 - \$19,999	6	1	53,150	78,468	77	68	4	5	2	37,530	3,725
\$20,000 - \$49,999	1	1	—	—	—	—	—	—	—	—	—
Pennsylvania, total	4	1	12,856	14,756	11	7	—	4	1	7,069	—
\$1 - \$19,999	3	1	12,856	14,756	11	7	—	4	1	7,069	—
\$20,000 - \$49,999	1	—	—	—	—	—	—	—	—	—	—
Texas, total	3	—	5,546	23,974	18	18	—	—	—	10,645	—
\$1 - \$19,999	3	—	5,546	23,974	18	18	—	—	—	10,645	—
Wisconsin, total	14	9	145,792	474,063	244	217	18	9	6	264,584	23,952
\$1 - \$19,999	7	4	22,664	69,526	48	40	4	4	3	39,964	2,023
\$20,000 - \$49,999	1	1	123,128	404,537	196	177	14	5	3	224,620	21,929
\$50,000 - \$99,999	6	4	—	—	—	—	—	—	—	—	—
Other States, total	17	1	294,171	557,695	281	254	25	2	1	249,381	32,161
\$1 - \$19,999	9	1	36,248	76,882	57	47	8	2	1	37,536	6,374
\$20,000 - \$49,999	5	—	—	—	—	—	—	—	—	—	—
\$50,000 - \$99,999	2	—	255,923	480,813	224	207	17	—	—	211,845	25,767
\$100,000 - \$249,999	1	—	—	—	—	—	—	—	—	—	—

¹For definition of the industry see tables 2 and 21, footnote 1. Reports classified by value of products represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together.

TABLE 31.—SELECTED STATISTICS FOR ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹

STATE AND TONS OF LIMESTONE (tons of 2,000 pounds)	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	64	13	1,341,001	\$3,508,714	1,257	1,137	98	22	11	\$1,263,999	\$185,311
1 - 249	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250 - 499	1	-----	2,596	16,130	21	17	-----	4	3	11,279	-----
500 - 999	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	3	-----	5,314	37,741	24	20	3	1	1	19,725	4,000
2,000 - 2,999	10	1	24,345	97,808	47	39	5	3	2	30,868	2,920
3,000 - 4,999	8	2	30,149	111,499	79	68	8	3	-----	52,173	4,723
5,000 - 9,999	9	3	60,096	166,115	81	67	7	7	5	64,240	10,424
10,000 - 24,999	16	7	266,174	777,662	369	335	30	4	-----	339,780	53,483
25,000 - 49,999	5	-----	183,485	420,227	149	139	10	-----	-----	186,498	21,440
50,000 and over	8	-----	768,842	1,881,532	487	452	35	-----	-----	559,438	88,321
Indiana, total	16	-----	824,026	2,324,358	617	567	50	-----	-----	692,210	124,303
10,000 - 24,999	5	-----	80,997	278,467	109	98	11	-----	-----	104,391	27,922
25,000 - 49,999	4	-----	743,029	2,045,891	508	469	39	-----	-----	587,819	96,381
50,000 and over	7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Kansas, total	7	2	55,150	78,468	77	68	4	5	2	37,530	3,725
1 - 249	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2,000 - 2,999	1	-----	5,390	24,208	25	23	-----	2	2	15,122	-----
3,000 - 4,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
10,000 - 24,999	2	2	47,760	54,260	52	45	4	3	-----	22,408	3,725
Wisconsin, total	14	9	145,792	474,063	244	217	18	9	6	264,584	23,952
500 - 999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2,000 - 2,999	3	1	8,633	34,297	24	19	3	2	2	18,461	850
3,000 - 4,999	2	2	22,106	99,529	43	37	1	5	4	43,503	1,173
5,000 - 9,999	2	1	115,053	340,237	177	161	14	2	-----	202,620	21,929
10,000 - 24,999	5	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
25,000 - 49,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States, total	27	2	318,033	631,825	319	285	26	8	3	269,675	33,331
250 - 499	1	-----	1,546	9,950	12	10	-----	2	1	6,129	-----
500 - 999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	3	-----	5,314	37,741	24	20	3	1	1	19,725	4,000
2,000 - 2,999	6	-----	14,372	62,303	25	20	2	1	-----	12,452	2,070
3,000 - 4,999	5	-----	19,183	67,882	42	33	7	2	-----	25,226	3,550
5,000 - 9,999	5	2	33,014	76,835	44	36	6	2	1	31,448	9,524
10,000 - 24,999	4	-----	244,624	377,134	174	166	8	-----	-----	174,695	14,167
50,000 and over	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ For definition of the industry see footnote 1, tables 2 and 21. Reports classified by quantity of limestone produced represent a single quarry or mine or a single quarry or mine and a single preparation plant reported together.

TABLE 32.—SELECTED STATISTICS FOR ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF WAGE EARNERS AND BY STATE: 1939¹

STATE AND NUMBER OF WAGE EARNERS	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	64	13	1,341,001	\$3,508,714	1,257	1,137	98	22	11	\$1,263,999	\$185,311
1 - 5	18	3	48,177	114,885	64	46	7	11	7	37,652	3,670
6 - 20	24	5	230,441	593,913	297	260	30	7	4	231,865	52,040
21 - 50	15	4	449,420	1,250,918	451	416	33	2	-----	472,967	66,493
51 - 100	6	1	612,963	1,548,998	445	415	28	2	-----	521,515	63,108
Unclassified	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Florida, total	3	-----	5,460	35,400	9	8	1	2	1	2,580	1,170
1 - 5	3	-----	5,460	35,400	9	6	1	2	1	2,580	1,170
Indiana, total	16	-----	824,026	2,324,358	617	567	50	-----	-----	692,210	124,303
6 - 20	5	-----	93,727	247,003	92	81	11	-----	-----	86,325	27,700
21 - 50	7	-----	316,362	806,224	240	224	16	-----	-----	274,950	42,582
51 - 100	4	-----	413,937	1,271,131	285	262	23	-----	-----	330,955	54,021
Pennsylvania, total	4	1	12,856	14,756	11	7	-----	4	1	7,069	-----
1 - 5	4	1	12,856	14,756	11	7	-----	4	1	7,069	-----
Wisconsin, total	14	9	145,792	474,063	244	217	18	9	6	264,584	23,952
1 - 5	4	2	12,648	30,119	19	14	3	2	2	13,834	850
6 - 20	5	3	34,520	130,570	62	52	5	5	4	58,475	6,425
21 - 50	4	3	98,624	313,374	163	151	10	2	-----	192,275	16,677
51 - 100	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States, total	27	3	352,867	660,137	376	340	29	7	3	297,556	35,886
1 - 5	7	-----	17,213	34,610	26	20	3	3	3	14,169	1,650
6 - 20	14	2	102,194	216,340	141	125	14	2	-----	87,065	17,915
21 - 50	4	1	233,460	409,187	209	195	12	2	-----	196,322	16,321
51 - 100	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ For definition of the industry see tables 2 and 21, footnote 1. Reports classified by average number of wage earners employed during the year represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together. Statistics shown for "Unclassified" represent one report on which number of wage earners, by month, was not adequately reported.

MINERAL INDUSTRIES

TABLE 33.—SELECTED STATISTICS FOR ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK, AND BY STATE: 1939¹

STATE AND HOURS PER WEEK	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	64	15	1,341,001	\$3,508,714	1,257	1,137	98	22	11	\$1,263,999	\$185,311
40-----	26	5	924,034	2,680,710	794	727	60	7	5	888,428	140,622
41 - 42-----	5	2	47,204	119,853	88	80	6	2	-----	62,658	7,994
43 - 44-----	14	4	94,596	277,505	122	105	11	6	3	94,433	11,148
45 - 47-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48-----	3	1	195,238	219,392	126	119	5	2	-----	143,590	9,802
49 - 53-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	14	1	79,929	211,274	127	106	16	5	3	74,890	15,745
Florida, total	3	-----	5,460	35,400	9	6	1	2	1	2,580	1,170
43 - 44-----	3	-----	5,460	35,400	9	6	1	2	1	2,580	1,170
Indiana, total	16	-----	824,026	2,324,358	617	567	50	-----	-----	692,210	124,303
40-----	16	-----	824,026	2,324,358	617	567	50	-----	-----	692,210	124,303
Wisconsin, total	14	9	145,792	474,063	244	217	18	9	6	264,584	23,952
40-----	7	4	90,627	513,307	159	144	9	6	4	178,068	13,519
41 - 42-----	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
43 - 44-----	4	3	55,165	160,756	85	73	9	3	2	86,496	10,433
Unclassified	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States, total	31	4	365,723	674,893	387	347	29	11	4	304,625	35,886
40-----	3	1	9,381	43,045	18	16	1	1	1	18,130	2,800
41 - 42-----	3	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
43 - 44-----	7	1	86,161	218,377	130	118	8	4	-----	79,155	8,712
45 - 47-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48-----	3	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
49 - 53-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	13	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹For definition of the industry see tables 2 and 21, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent reports on which number of hours was not reported and reports on which no wage earners were reported.

TABLE 34.—SELECTED STATISTICS FOR ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF DAYS ACTIVE DURING THE YEAR: 1939¹

NUMBER OF DAYS ACTIVE DURING YEAR	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	64	15	1,341,001	\$3,508,714	1,257	1,137	98	22	11	\$1,263,999	\$185,311
1 - 49-----	3	1	10,951	22,459	14	9	5	-----	-----	5,572	1,600
50 - 99-----	3	-----	17,068	50,945	19	16	2	1	1	9,564	1,722
100 - 149-----	10	2	145,825	318,977	140	126	13	1	1	154,951	18,333
150 - 199-----	14	1	409,854	1,322,391	309	279	25	7	2	270,013	48,321
200 - 249-----	9	1	405,228	803,626	332	322	26	4	1	382,448	67,338
250 - 299-----	11	4	280,553	689,316	257	240	13	4	4	310,707	27,482
300 - 324-----	4	1	39,094	125,819	55	48	6	1	-----	59,594	7,812
275 - 299-----	5	1	41,930	189,027	89	77	10	2	-----	78,012	12,103
300 - 324-----	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	3	1	10,540	26,154	22	20	-----	2	2	13,538	-----

¹For definition of the industry see tables 2 and 21, footnote 1. Reports classified by number of days active represent a single quarry or mine, or a single quarry or mine and a single preparation plant reported together; such reports were classified by number of days the quarry or mine was in operation for production or development purposes during the year. Statistics shown for "Unclassified" represent reports on which number of days active was not reported.

TABLE 35.—SELECTED STATISTICS FOR ROUGH-DIMENSION LIMESTONE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹

STATE AND TONS OF LIMESTONE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries and mines	Number of preparation plants	Production of limestone (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total-----	64	13	1,341,001	\$3,508,714	1,257	1,137	98	22	11	\$1,263,999	\$185,311
0.050 - 0.099-----	3	-----	8,482	91,899	59	51	6	2	1	45,306	5,800
0.100 - 0.149-----	2	-----	65,148	307,995	166	155	4	7	4	179,651	4,942
0.200 - 0.299-----	9	4	49,134	200,111	78	73	5	-----	-----	75,679	8,037
0.300 - 0.399-----	4	1	291,145	800,175	294	266	28	-----	-----	315,505	60,821
0.400 - 0.599-----	10	3	289,532	714,027	265	241	21	3	-----	297,826	48,824
0.600 - 0.799-----	12	-----	299,826	453,604	175	166	8	1	-----	168,287	14,000
0.800 - 0.999-----	5	-----	300,847	826,120	139	116	21	2	1	119,391	38,083
1.000 - 1.499-----	7	2	36,887	114,783	81	69	5	7	5	42,352	5,004
1.500 and over-----	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified-----	10	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
Indiana, total-----	16	-----	824,026	2,324,358	617	567	50	-----	-----	692,210	124,303
0.200 - 0.299-----	1	-----	267,421	761,090	272	251	21	-----	-----	304,871	51,593
0.400 - 0.599-----	6	-----	223,607	590,697	197	184	13	-----	-----	239,865	37,220
0.600 - 0.799-----	5	-----	332,998	972,571	148	132	16	-----	-----	147,474	35,490
0.800 - 0.999-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.000 - 1.499-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.500 and over-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Kansas, total-----	7	2	53,150	78,468	77	68	4	5	2	37,530	3,725
0.600 - 0.799-----	2	-----	30,418	25,571	23	20	2	1	-----	9,085	1,091
1.500 and over-----	1	1	22,732	52,897	54	48	2	4	2	28,445	2,634
Unclassified-----	4	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Wisconsin, total-----	14	9	145,792	474,063	244	217	18	9	6	264,584	23,952
0.100 - 0.149-----	1	-----	51,570	247,020	138	127	3	8	5	150,685	3,160
0.200 - 0.299-----	7	4	40,525	121,548	60	52	8	-----	-----	63,139	9,260
0.300 - 0.399-----	1	1	53,697	105,495	46	38	7	1	1	50,860	11,532
0.400 - 0.599-----	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.600 - 0.799-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.000 - 1.499-----	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States, total-----	27	2	318,033	631,825	319	285	26	8	3	269,675	33,331
0.050 - 0.099-----	3	-----	8,707	86,254	54	47	6	1	-----	39,146	5,600
0.100 - 0.149-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.200 - 0.299-----	1	-----	45,686	184,268	72	67	5	-----	-----	58,402	9,787
0.300 - 0.399-----	3	-----	21,740	36,542	27	21	4	2	-----	15,800	4,424
0.400 - 0.599-----	2	1	189,361	213,062	119	113	5	1	-----	131,705	9,200
0.600 - 0.799-----	4	-----	28,384	49,813	21	17	3	1	-----	10,715	1,950
0.800 - 0.999-----	3	-----	14,155	61,886	26	20	3	5	5	13,907	2,370
1.000 - 1.499-----	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified-----	6	1	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹For definition of the industry see tables 2 and 21, footnote 1. Except as noted, each report was classified by output per man-hour. Reports on which man-hours worked were not reported and reports on which figures were otherwise not adequately reported for classification are included in statistics shown for "Unclassified."

Granite

Commercial granite quarries and mines¹ in the United States had an output in 1939 valued at \$12,876,000 at points of production. These operations produced 7,460,000 short tons of granite, 6,382,000 tons of which were crushed and broken stone and 778,000 tons were rough blocks and slabs.

The granite industry includes the production of granite and related coarse-grained igneous rocks such as gneiss, syenite, diorite, and gabbro. Granite is an extremely hard, igneous rock, consisting essentially of feldspar, quartz, and mica or hornblende. The crushed and broken stone is used for concrete aggregate, road metal, railroad ballast, riprap, and other purposes. Rough-dimension granite blocks and slabs are used chiefly in the manufacture of monumental stone, building stone, paving blocks, curbing, and rubble. Only the best quality is used for monumental stone; granite used for this purpose is usually polished and defects become readily apparent in the process.

PRINCIPAL EXPENSES REPORTED

The industry employed an average of 4,417 wage earners in 1939, and paid a total of \$4,156,000 in wages. Salaried employees, numbering 384 during October, were paid \$937,000. Expenditures during the year for supplies and materials totaled \$1,956,000; for fuel, \$392,000; and for purchased electric energy, \$855,000. In addition, \$50,000 was paid for work done on contract. The sum of these reported expenses is \$8,146,000. Buildings were erected and machinery and equipment were installed during the year at a cost of \$524,000.

PRODUCTION

The 7,460,000 short tons of granite produced in 1939 was about 11 percent less than the 1929 production but nearly 70 percent more than the 1919 production. The value of all products of the industry was about 60 percent less than in 1929 and about 30 percent less than in 1919. However, the quantity of granite produced at "noncommercial" operations, which are not covered in the census canvass, almost doubled during the decade since 1929. According to the United States Bureau of Mines, the quantity of granite (chiefly crushed and broken stone) produced at such operations increased from 2,451,000 short tons in 1929 to 4,618,000 short tons in 1939.

Granite was produced in 1939 at 244 operations located in 25 States. Operations engaged principally in producing crushed and broken granite were located in 22 of these States; operations producing rough-dimension blocks and slabs principally were located in all 25. Of the 6,500,000 short tons of granite produced by the crushed-stone operations, those located in North Carolina accounted for 26 percent. Operations in South Carolina ranked second with 17 percent and those in Georgia third with 13 percent. Of the 960,000 short tons produced by dimension-stone operations, those in Massachusetts accounted for 18 percent; those in Georgia for 13 percent and those in Vermont for 12 percent. The value of Vermont's production, however, amounted to 35 percent of the value of all products of dimension-stone operations. Except for a relatively small amount produced at an open quarry and an underground mine operated as a unit, all the granite produced in 1939 came from open quarries.

EMPLOYMENT AND WORKING TIME

The average of 4,417 wage earners employed in 1939 was 56 percent less than the 1929 average of 10,037 and 46 percent

¹The statistics presented in this report cover granite quarries and mines whose production enters into the usual channels of commerce. Thus the figures exclude quarries operated by government agencies, public utilities, and construction companies or contractors producing stone wholly for their own use or on contract for a government agency.

less than the 1919 average of 8,049. A total of 8,841,000 man-hours was worked by wage earners in 1939—4,574,000 at crushed-stone operations and 4,267,000 at dimension-stone operations. The average number of hours worked per shift was 8.5 at crushed-stone operations and 7.8 at dimension-stone operations.

The average number of wage earners at crushed-stone operations was 2,100. North Carolina accounted for 574; South Carolina, for 364; Georgia, for 229; Virginia, for 193; and the 18 other States, for 740. Dimension-stone operations employed an average of 2,317 wage earners, Vermont accounting for 584, Georgia for 381, Massachusetts for 185, Maine for 180, Minnesota for 173, and the 20 other States for 814. Monthly employment at crushed-stone operations in 1939 ranged from a low point of 1,595 in January to a peak of 2,340 in August. The low month for dimension-stone operations was February, when 1,928 wage earners were employed; the peak of 2,749 was reached in July.

Crushed-stone operations were active the equivalent of 201 full days, but there were considerable variations among the individual States. Thus crushed-stone operations in South Carolina were active 269 full days whereas those in Maine were active only 113 full days. The United States average for dimension-stone operations was 205 days, the State averages ranging from 260 in South Dakota to 102 in Maine. Except for one dimension-stone quarry that worked two shifts per day for a short period, the granite industry operated on a one-shift basis throughout the year.

The number of tons of stone produced per man-hour at crushed-stone operations was about six times that at dimension-stone operations. The former averaged 1.42 short tons per man-hour worked by wage earners, and varied from 2.4 tons in California to 0.6 ton in Maryland. The average for North Carolina was 1.2; for South Carolina, 1.3; and for Georgia, 1.6. The national average for dimension-stone operations was 0.23 ton, ranging from 0.54 ton in Massachusetts to 0.10 ton in Texas. The average for Georgia was 0.17 ton; for Vermont, 0.11 ton.

Wage payments per man-hour worked at crushed-stone operations averaged 39 cents; the average for dimension-stone operations was 56 cents. Among the crushed-stone operations, those in California had the highest average—72 cents. Wage earners in North Carolina received an average of 27 cents; in South Carolina, 30 cents; in Georgia, 34 cents. The highest State average for dimension-stone operations—73 cents—was paid in Vermont; figures for Georgia and Massachusetts were 35 cents and 63 cents, respectively.

POWER EQUIPMENT

Power equipment in use or available for use at granite operations at the end of the year had an aggregate rated capacity of 105,000 horsepower. About 75 percent of the total available horsepower reported for 1939 represented that used for driving stationary equipment such as hoists, screens, crushers, compressors, and the like. The remainder was used for driving mobile equipment such as power shovels, locomotives, trucks, tractors, and churn drills. The aggregate horsepower rating of equipment at crushed-stone operations was 48,000, of which 31,000, or 65 percent, was for driving stationary equipment. Of the 57,000 horsepower at dimension-stone operations, 84 percent was for driving stationary equipment. Average available horsepower per wage earner at crushed-stone operations was 23; at dimension-stone operations, 25.

The granite industry consumed 39,916,000 kilowatt-hours of electric energy in 1939, all but 1,808,000 of which were purchased. Crushed-stone operations accounted for 55 percent of

the electric energy consumed and dimension-stone operations for the remaining 45 percent.

Power loading machines at granite operations at the end of 1939 totaled 495 units of all types, including 336 cranes and hoists, 110 power shovels and 32 clamshells. Of the total number of power shovels reported, 105 had a dipper capacity of less than 3 cubic yards and 5 had a dipper capacity of 3 to 5 cubic yards. Forty-nine were driven by internal-combustion engines, 41 by steam power, and 20 by electric energy. Dimension-stone operations accounted for 310 of the 336 cranes and

hoists reported; of the total, 159 were operated by electric power, 77 by steam, 53 by compressed air, and 47 were driven by internal-combustion engines.

The statistics summarized in this report cover operations engaged primarily in the production of crushed and broken granite and rough-dimension granite. They do not cover operations engaged in cutting, shaping, polishing, and otherwise finishing the rough blocks and slabs; statistics for such operations are included in reports for the stone-manufacturing industries.

TABLE 36.—PRINCIPAL STATISTICS FOR THE GRANITE INDUSTRY IN THE UNITED STATES: 1939, 1929, 1919, 1909, 1902, 1889, AND 1880¹

(For producing operations only)

ITEM	1939	1929	1919	1909	1902 ²	1889 ²	1880 ¹
Number of operating companies ² -----	199	(3)	(3)	707	853	814	(3)
Number of quarries and mines-----	242	434	381	826	906	874	313
Production of granite (tons of 2,000 pounds)-----	7,460,299	8,364,000	4,420,000	(3)	(3)	(3)	(3)
Value of products, total-----	\$12,876,081	\$30,381,373	\$18,279,345	\$18,997,976	\$18,257,944	\$14,464,095	\$5,188,998
Granite-----	\$12,845,586	\$30,291,311	\$18,247,617	(3)	\$18,257,944	\$14,464,095	\$5,188,998
Other products and services rendered-----	\$30,495	\$90,062	\$31,728	(3)	(3)	(3)	(3)
Number of persons engaged, total-----	4,913	11,199	8,951	20,394	420,213	422,313	411,477
Wage earners (average for the year, including inactive periods)-----	4,417	10,037	8,049	18,744	18,856	21,276	11,477
Salaried employees-----	384	883	574	920	1,377	1,057	(3)
Proprietors and firm members-----	112	279	328	730	(3)	(3)	(3)
Performing manual labor-----	59	(3)	145	318	(3)	(3)	(3)
Principal expenses designated below, total-----	\$8,145,682	\$20,661,531	\$13,590,613	\$14,926,461	\$14,793,946	\$11,066,970	(3)
Wages-----	\$4,155,561	\$12,639,524	\$8,567,659	\$11,112,195	\$11,072,996	\$8,821,596	(3)
Salaries-----	\$936,749	\$2,402,230	\$1,196,456	\$1,069,532	\$1,227,945	\$768,889	(3)
Supplies and materials-----	\$1,956,249	\$3,618,511	\$2,593,040	\$1,921,612	(3)	(3)	7570,397
Fuel-----	2391,787	2652,642	3833,636	(3)	\$2,493,065	\$1,446,485	(3)
Purchased electric energy-----	\$655,537	\$1,109,351	\$261,185	\$757,078	(3)	(3)	(3)
Contract work-----	\$49,789	\$39,273	\$118,637	265,744	(3)	(3)	(3)
Cost of machinery and equipment erected or installed during year-----	\$415,231	\$655,909	(3)	(3)	(3)	(3)	(3)
Horsepower rating of power equipment, total-----	105,248	108,217	55,674	61,095	48,986	15,199	(3)
Per wage earner-----	23.8	10.8	6.9	3.3	2.5	0.7	(3)
Prime movers-----	46,255	32,144	34,711	54,213	46,480	(3)	(3)
Electric motors driven by purchased energy-----	58,993	76,073	20,933	6,882	11508	(3)	(3)
Horsepower rating of electric motors driven by energy generated by reporting companies-----	3,987	1,776	1,520	1,346	442	(3)	(3)
Fuels consumed:							
Anthracite (tons of 2,000 pounds)-----	2,252	6,049	1,930	(3)	(3)	(3)	(3)
Bituminous coal (tons of 2,000 pounds)-----	23,395	79,454	115,250	(3)	(3)	(3)	(3)
Fuel oils (barrels of 42 gallons)-----	60,795	34,491	13,164	(3)	(3)	(3)	(3)
Gasoline and kerosene (gallons)-----	1,132,543	660,081	101,232	(3)	(3)	(3)	(3)
Natural gas (thousands of cubic feet)-----	9,975	14,000	(3)	(3)	(3)	(3)	(3)
Electric energy consumed (thousands of kw.-hrs.), total-----	39,916	57,827	(3)	(3)	(3)	(3)	(3)
Purchased-----	35,108	53,884	(3)	(3)	(3)	(3)	(3)
Generated by reporting companies-----	1,808	943	(3)	(3)	(3)	(3)	(3)

¹ Statistics represent the production of granite (including related coarse-grained igneous rocks, gneiss, syenite, diorite, gabbro, and related rocks) except that quarried by Federal, State, and local governments, public utilities, and operators who produce stone exclusively for their own use in building or highway construction work, or on contract for a governmental agency. Statistics for 1939 include only those operations (quarries, mines, crushing, screening, or washing plants, or quarries, or mines and plants operated together) whose total value of products; designated principal expenses; or cost of buildings, machinery, and equipment erected or installed during the year was at least \$2,500. Figures for 1929 exclude statistics for enterprises "whose output was valued at less than \$2,500; or, if not productive, in which development work costing less than \$2,500 was done." For 1919, "enterprises producing less than \$500 worth of products or ... operations confined to development work, on which expenditures amounted to less than \$5,000 during the ... year were ... omitted." No minimum was placed on the size of operations in 1909, 1902, 1889, and 1880. Statistics cover quarrying, stone crushing, and rough-dimension stone-trimming operations. In 1929 and earlier years, figures include some dimension-stone dressing at operations for which quarry data could not be segregated. Statistics for 1902 and earlier years include figures for the basalt industry.

² For 1939 and 1909 companies that submitted more than one report are counted only once in the totals.

³ Not available.

⁴ Excludes statistics for items for which information was not available as indicated by footnotes.

⁵ On schedules for the 1902 census, concerns were instructed that "The average number employed during the year is the number that would be required, at continuous employment for the twelve months, to produce the quantity of products reported." "In editing the schedules ... the figures for the average number of employees were reduced to a 300-day basis whenever the schedules showed them to be the average number for a shorter period; when it was evident that the employees had worked more than 300 days, the average number for the longer period was allowed to stand."

⁶ The 1889 census schedules called for "average number employed," presumably an average for active periods; and requested that figures for wage earners "include those employed by contractors and subcontractors."

⁷ Represents cost of explosives.

⁸ For 1919 and 1909, statistics include amounts paid for purchased power other than electric. Statistics for cost of purchased power for 1902 and 1889 were not explicitly requested, but probably are included in part in the figures for supplies and materials.

⁹ Represents horsepower of steam boilers.

¹⁰ Includes 60 horsepower for equipment operated by purchased compressed air.

¹¹ Includes 35 horsepower for equipment operated by purchased power other than electric.

MINERAL INDUSTRIES

TABLE 37.—SUMMARY STATISTICS FOR THE GRANITE INDUSTRY IN THE UNITED STATES, BY STATE: 1939, 1929, AND 1919¹

(For producing operations only)

STATE AND CENSUS YEAR	Number of quarries and mines	Number of wage earners (average for the year)	Number of salaried employees	Production of granite (tons of 2,000 pounds)	Value of all products	PRINCIPAL EXPENSES DESIGNATED BELOW					Aggregate horsepower rating of power equipment
						Total	Wages	Salaries	Supplies and materials, fuel, and purchased electric energy	Contract work	
United States—1939	242	4,417	384	7,480,299	\$12,876,081	\$8,145,682	\$4,155,561	\$936,749	\$3,003,603	\$49,769	105,249
1929	434	10,037	883	8,364,000	30,391,373	20,861,531	12,639,524	2,602,230	5,360,504	39,273	109,217
1919	331	8,049	574	4,420,000	18,279,345	13,590,613	8,587,659	1,196,456	3,897,861	118,637	55,674
California—1939	15	151	19	665,990	804,533	385,036	212,483	47,061	123,492	—	7,347
1929	27	235	26	1,399,000	1,409,584	828,232	373,874	95,864	358,446	49	5,599
1919	18	162	22	2,009,000	563,485	403,089	187,992	53,027	181,820	250	2,479
Connecticut—1939	4	64	3	51,089	111,828	96,099	76,497	7,808	11,794	—	1,769
1929	12	217	17	46,000	576,899	475,677	351,759	48,144	75,774	—	1,374
1919	11	92	15	53,000	208,546	177,292	102,821	38,499	32,972	3,000	1,166
Georgia—1939	20	610	28	954,582	1,413,366	936,756	437,240	77,622	417,524	4,370	9,699
1929	30	1,265	84	970,000	2,201,313	1,581,472	1,033,884	213,395	334,193	—	7,497
1919	20	580	36	209,000	885,663	764,127	536,599	56,092	171,436	—	3,863
Maine—1939	11	194	23	85,756	416,770	341,086	232,741	46,929	61,416	—	6,351
1929	30	881	48	236,000	2,155,640	1,459,763	1,188,248	128,280	143,255	—	6,345
1919	42	747	42	180,000	1,300,996	1,087,342	805,865	74,197	204,480	2,600	4,050
Maryland—1939	4	59	5	69,512	113,561	94,234	52,925	12,732	28,677	—	845
1929	8	113	14	113,000	261,259	153,705	103,597	24,624	25,474	—	908
1919	9	235	21	138,000	495,651	432,543	269,741	32,302	127,965	2,555	2,393
Massachusetts—1939	17	185	18	171,895	656,471	439,468	198,879	56,214	183,375	—	9,526
1929	39	1,554	154	1,030,000	5,394,350	3,873,828	2,624,198	527,073	719,446	3,111	14,553
1919	43	1,034	91	384,000	2,405,165	1,752,184	1,237,888	175,544	374,616	4,136	6,550
Minnesota—1939	29	173	13	43,150	437,768	326,406	185,424	4,418	129,800	6,764	4,650
1929	37	923	84	87,000	3,617,633	2,199,843	1,230,398	259,470	707,375	2,600	6,615
1919	34	392	28	75,000	1,135,391	707,595	477,028	40,920	187,511	2,136	3,875
New Hampshire—1939	12	109	12	110,373	205,936	150,252	108,844	12,061	28,112	235	2,795
1929	20	315	30	92,000	706,259	629,187	455,584	61,584	111,489	530	3,159
1919	24	589	39	105,000	1,427,979	1,037,106	744,023	86,412	172,151	34,520	4,121
New York—1939	4	140	10	647,804	466,900	376,717	218,155	22,279	117,848	18,435	4,589
1929	13	105	10	232,000	504,519	328,278	183,525	21,357	123,396	—	2,826
1919	7	101	11	358,000	173,404	143,954	87,561	15,736	40,657	—	2,208
North Carolina—1939	28	714	72	1,735,141	2,085,167	1,226,220	470,780	142,691	612,749	—	12,015
1929	67	1,396	93	1,332,000	3,213,624	2,443,522	1,298,397	236,899	908,226	—	11,557
1919	18	959	56	547,000	1,576,250	1,206,488	808,657	118,304	278,527	—	2,025
Pennsylvania—1939	16	212	19	348,840	459,004	311,183	204,981	33,737	72,465	—	3,203
1929	25	263	34	326,000	731,484	624,007	324,930	78,343	210,572	10,162	2,850
1919	30	197	18	216,000	435,654	327,511	237,481	23,679	65,711	840	1,232
Rhode Island—1939	4	73	1	38,176	198,463	166,107	92,145	25,437	47,003	1,522	2,277
1929	9	223	27	112,000	683,053	605,577	341,215	66,534	196,828	1,000	3,667
1919	8	262	30	40,000	733,683	498,594	280,227	57,575	160,792	—	2,460
South Carolina—1939	4	364	30	1,134,625	1,260,558	818,368	266,592	134,661	405,056	12,059	7,403
1929	17	669	62	1,095,000	1,748,081	1,097,399	509,375	181,780	403,888	2,556	13,183
1919	10	322	25	404,000	747,976	623,393	278,162	87,430	257,801	—	2,352
Vermont—1939	10	584	34	112,970	2,030,773	1,160,058	747,394	115,899	294,959	1,806	13,424
1929	25	952	90	154,000	3,892,352	2,340,004	1,393,739	426,549	519,716	—	15,411
1919	31	1,062	60	133,000	3,583,734	2,369,428	1,225,256	148,852	953,340	61,980	10,789
Virginia—1939	6	193	13	546,829	593,469	410,510	142,098	27,629	240,783	—	4,298
1929	5	200	15	913,000	861,347	427,060	210,650	35,773	175,801	4,836	2,902
1919	7	157	14	101,000	259,569	166,700	135,435	20,240	31,025	—	650
Wisconsin—1939	11	110	9	22,359	304,693	165,714	103,918	33,865	27,187	744	3,224
1929	18	283	22	314,000	888,195	569,996	391,812	46,043	132,141	—	4,216
1919	16	753	44	230,000	1,484,979	1,166,314	759,599	137,004	269,711	—	2,850
Other States—1939	47	482	65	721,428	1,316,821	744,468	404,565	135,706	200,363	3,834	11,759
1929	52	443	65	306,000	1,535,781	1,009,896	624,339	136,453	234,474	14,630	5,585
1919	53	405	22	568,000	883,220	647,953	433,324	30,643	177,346	6,640	2,742

¹ For definition of the industry and for explanation of extent of comparability of statistics for 1939, 1929, and 1919, see table 36, footnote 1.² Includes statistics for 8 salaried employees paid \$14,085 reported for central administrative offices for which statistics by State are not available.³ Includes miscellaneous stone.

TABLE 38.—PRINCIPAL STATISTICS FOR CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

ITEM	United States	California	Georgia	Maine	Maryland	New Hampshire	North Carolina	Pennsylvania	South Carolina	Virginia	Other States ²
Number of operating companies-----	359	7	5	3	4	4	5	6	4	4	19
Number of quarries-----	79	8	5	3	4	4	21	6	4	6	18
Number of preparation plants (crushing, screening, washing, and storage)-----	74	5	5	3	3	4	22	6	4	6	16
Number of persons engaged, total-----	2,354	159	248	19	67	30	639	181	394	208	429
Wage earners (average for the year)-----	2,100	137	229	14	59	21	574	138	364	193	371
Salaried employees-----	232	18	19	5	5	8	64	16	30	13	54
Proprietors and firm members-----	22	4	-----	-----	3	1	1	-----	-----	2	4
Performing manual labor-----	10	2	-----	-----	1	-----	-----	3	-----	-----	4
Production of granite: ⁴											
Tons of 2,000 pounds, total-----	8,500,177	659,539	826,491	26,138	69,612	28,624	1,669,182	295,199	1,134,625	546,829	1,245,038
Value at quarries-----	\$7,002,250	\$724,417	\$804,508	\$35,134	\$100,470	\$47,803	\$1,795,836	\$342,156	\$1,260,558	\$593,469	\$1,299,899
Value of all products-----	\$7,029,966	\$736,917	\$804,508	\$35,259	\$113,561	\$47,803	\$1,795,836	\$342,156	\$1,260,558	\$593,469	\$1,299,899
Principal expenses designated below, total-----	\$4,342,899	\$361,513	\$495,531	\$37,398	\$94,234	\$40,943	\$1,073,684	\$228,300	\$618,368	\$410,510	\$782,428
Wages-----	\$1,782,305	\$195,679	\$171,269	\$16,152	\$52,925	\$19,780	\$379,383	\$139,377	\$266,592	\$142,098	\$399,170
Salaries-----	357,825	346,993	356,466	36,510	12,732	89,158	123,391	29,205	134,861	87,629	127,060
Supplies and materials-----	\$1,404,870	371,948	\$205,861	\$10,140	\$19,234	\$8,282	\$424,389	\$28,736	\$309,325	\$179,816	\$147,139
Fuel-----	\$222,727	\$30,400	\$18,307	\$2,703	\$3,164	\$3,146	\$47,455	\$17,414	\$21,632	\$14,226	\$59,280
Purchased electric energy-----	\$534,429	\$16,495	\$43,608	\$1,883	\$1,279	\$1,577	\$99,086	\$13,568	\$74,099	\$46,741	\$36,095
Contract work-----	325,743	-----	-----	-----	-----	-----	-----	-----	\$12,059	-----	\$13,684
Cost of buildings, machinery, and equipment erected or installed during year-----	\$335,045	\$40,057	\$39,865	-----	\$32,855	\$1,000	\$47,900	\$18,335	\$69,569	\$365	\$85,099
Buildings-----	\$75,136	\$1,400	\$17,490	-----	\$9,351	\$500	\$900	\$370	\$14,802	-----	\$30,323
Machinery and equipment, total-----	\$259,909	\$38,657	\$22,375	-----	\$23,504	\$500	\$47,000	\$17,965	\$54,767	\$365	\$54,776
Purchased in new condition-----	\$209,540	\$30,224	\$22,375	-----	\$23,504	-----	\$26,000	\$16,965	\$50,767	\$365	\$39,340
Purchased in used condition-----	\$50,369	\$8,433	-----	-----	-----	\$500	\$21,000	\$1,000	\$4,000	-----	\$15,436
Total number of man-shifts worked by wage earners-----	539,846	34,996	61,845	4,050	15,178	4,537	161,967	31,403	102,462	39,190	84,220
Total number of man-hours worked by wage earners-----	4,574,320	271,127	503,991	34,864	124,190	37,919	1,419,629	280,962	876,535	330,918	694,185
Average number of hours worked per shift-----	8.5	7.7	8.1	8.6	8.2	8.4	8.8	8.9	8.8	8.4	8.2
Average hourly earning of wage earners-----	\$0.39	\$0.72	\$0.34	\$0.46	\$0.43	\$0.52	\$0.27	\$0.50	\$0.30	\$0.43	\$0.58
Tons of granite produced per man-hour-----	1.421	2.433	1.640	0.750	0.560	0.755	1.175	1.051	1.294	1.652	1.794
Average number of equivalent full days operations were active-----	201	248	227	113	262	132	166	182	269	181	167
Horsepower rating of power equipment, total-----	48,142	6,983	4,554	968	845	1,150	8,180	2,342	7,408	4,298	11,404
Per wage earner-----	22.9	51.0	19.9	69.1	14.3	54.8	14.3	17.0	20.4	22.3	30.7
Stationary equipment ⁵ -----	30,870	3,258	3,610	665	321	600	5,320	1,192	6,329	2,643	6,932
Mobile equipment ⁶ -----	17,272	3,725	944	303	524	550	2,870	1,150	1,079	1,655	4,472
Electric energy consumed (thousands of kw.-hrs.), total-----	21,978	815	2,677	68	39	45	6,198	664	5,333	3,442	2,697
Purchased-----	20,746	809	2,677	68	39	45	6,198	664	5,333	3,442	1,471
Generated by reporting companies-----	1,232	6	-----	-----	-----	-----	-----	-----	-----	-----	1,226

¹ For definition of the granite industry see table 36, footnote 1. Tables 38 through 51 cover only those operations in the industry that were engaged principally in the production of crushed and broken granite. No nonproducing crushed and broken granite operations were reported.

² Massachusetts, 3 quarries; Delaware, New Jersey, Vermont, and Washington, 2 quarries each; Connecticut, Minnesota, Missouri, New York, Rhode Island, South Dakota, Texas, and Wisconsin, 1 quarry each. Figures for number and compensation of salaried employees include statistics for 17 employees paid \$40,545 at central offices in Illinois and Tennessee.

³ Two companies had operations in 2 of the designated areas.

⁴ Includes 76,749 short tons of dimension stone, valued at \$110,885, produced at quarries engaged principally in the production of crushed and broken stone. All production was from open quarries.

⁵ Aggregate horsepower rating of engines, motors, etc. used for driving stationary or fixed equipment such as hoists, screens, crushers, compressors, etc.

⁶ Aggregate horsepower rating of engines, motors, etc. used for driving mobile equipment such as power shovels, locomotives, trucks, tractors, churn drills, etc.

MINERAL INDUSTRIES

TABLE 39.—QUANTITY AND VALUE OF PRODUCTS OF CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT AND BY STATE: 1939¹

ITEM	UNITED STATES		CALIFORNIA		GEORGIA		MAINE		MARYLAND	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total-----	(2)	\$7,029,986	(2)	\$756,917	826,491	\$804,508	(2)	\$35,259	(2)	\$113,561
All granite produced, total ³ -----	6,500,177	7,002,250	659,539	724,417	826,491	804,508	26,138	33,134	69,512	100,470
Rough-dimension granite, total-----	74,453	108,130	1,000	1,000	693	2,600	-----	-----	5,139	21,287
For use in construction:										
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.	16,615	28,917	1,000	1,000	-----	-----	-----	-----	2,480	5,605
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	54,391	46,986	-----	-----	586	586	-----	-----	-----	-----
For architecture (buildings and other high-class construction work)	2,659	15,662	-----	-----	-----	-----	-----	-----	2,659	15,662
For monuments and mausoleums	788	16,565	-----	-----	107	2,014	-----	-----	-----	-----
Dressed-dimension granite, including sawed, cut, and split stone, total-----	1,860	3,647	-----	-----	1,750	2,451	-----	-----	12	76
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	76	870	-----	-----	-----	-----	-----	-----	-----	-----
For monuments and mausoleums	22	250	-----	-----	-----	-----	-----	-----	-----	-----
Curbing	1,750	2,451	-----	-----	1,750	2,451	-----	-----	-----	-----
Flagging and floors or walkway slabs	12	76	-----	-----	-----	-----	-----	-----	12	76
Rough blocks used to produce dressed-dimension granite-----	2,296	2,755	-----	-----	2,119	2,119	-----	-----	12	76
Crushed, broken, and ground granite, total-----	6,425,428	6,891,365	658,539	723,417	825,679	799,789	26,138	33,134	64,361	79,127
Riprap	724,687	827,182	442,004	521,993	18,883	16,994	-----	-----	59,297	50,513
Concrete and road metal	4,814,600	5,243,454	171,486	173,870	670,317	654,571	26,138	33,134	25,064	28,614
Railroad ballast	582,976	521,105	39,610	24,044	72,855	49,983	-----	-----	-----	-----
Agricultural	8,772	5,244	-----	-----	8,772	5,244	-----	-----	-----	-----
For cement manufacture	14,207	17,759	-----	-----	-----	-----	-----	-----	-----	-----
For other uses	278,186	276,621	5,439	3,510	52,852	72,987	-----	-----	-----	-----
Amounts received or due for services performed for others-----	(2)	13,091	-----	-----	-----	-----	-----	-----	(2)	13,091
Secondary products (sand and gravel)-----	28,442	14,625	25,254	12,500 ⁴	-----	-----	3,188	2,125	-----	-----

ITEM	NEW HAMPSHIRE		NORTH CAROLINA		PENNSYLVANIA		SOUTH CAROLINA		VIRGINIA		OTHER STATES	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total-----	28,624	\$47,803	1,668,182	\$1,795,836	295,199	\$342,156	1,134,625	\$1,260,558	546,829	\$593,469	1,245,038	\$1,299,899
All granite produced, total ³ -----	28,624	47,803	1,668,182	1,795,836	295,199	342,156	1,134,625	1,260,558	546,829	593,469	1,245,038	1,299,899
Rough-dimension granite, total-----	-----	-----	363	5,853	61,959	63,140	-----	-----	-----	-----	5,299	14,270
For use in construction:												
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.	-----	-----	-----	-----	8,154	14,740	-----	-----	-----	-----	4,981	5,572
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	-----	-----	-----	-----	53,805	48,400	-----	-----	-----	-----	-----	-----
For architecture (buildings and other high-class construction work)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
For monuments and mausoleums	-----	-----	363	5,853	-----	-----	-----	-----	-----	-----	318	8,698
Dressed-dimension granite, including sawed, cut, and split stone, total-----	-----	-----	-----	-----	98	1,120	-----	-----	-----	-----	-----	-----
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	-----	-----	-----	-----	76	870	-----	-----	-----	-----	-----	-----
For monuments and mausoleums	-----	-----	-----	-----	22	250	-----	-----	-----	-----	-----	-----
Curbing	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Flagging and floors or walkway slabs	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Rough blocks used to produce dressed-dimension granite-----	-----	-----	-----	-----	165	580	-----	-----	-----	-----	-----	-----
Crushed, broken, and ground granite, total-----	28,624	47,803	1,667,819	1,789,983	233,075	278,458	1,134,625	1,260,558	546,829	593,469	1,239,739	1,285,629
Riprap	-----	-----	-----	-----	5,000	10,400	5,980	4,273	-----	-----	215,523	223,009
Concrete and road metal	26,000	28,500	1,616,081	1,722,728	227,269	260,726	829,533	1,000,699	413,067	479,161	809,675	861,451
Railroad ballast	-----	-----	51,788	67,255	-----	-----	252,853	254,941	133,762	114,508	32,108	30,564
Agricultural	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
For cement manufacture	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
For other uses	2,624	19,303	-----	-----	786	7,330	48,259	20,645	-----	-----	14,207	17,759
Amounts received or due for services performed for others-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Secondary products (sand and gravel)-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	152,846

¹ For definition of the industry see footnote 1, tables 35 and 36.² Not significant.³ Represents the sum of "Rough-dimension granite," "Rough blocks used to produce dressed-dimension granite," and "Crushed, broken, and ground granite."

TABLE 40.—NUMBER OF WAGE EARNERS AT CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY STATE, BY TYPE OF OPERATION, AND BY MONTH: 1939¹

STATE AND TYPE OF OPERATION	Average for the 12 months	NUMBER RECEIVING PAY DURING PAY-ROLL PERIOD ENDING NEAREST THE 15TH OF THE MONTH											
		January	February	March	April	May	June	July	August	September	October	November	December
United States, total-----	2,100	1,595	1,695	1,912	2,146	2,212	2,267	2,337	2,540	2,339	2,270	2,164	1,919
TYPE OF OPERATION													
Quarries only-----	147	67	130	125	136	133	162	178	199	202	182	161	82
Quarries and preparation plants operated together ³ -----	1,953	1,528	1,565	1,787	2,010	2,079	2,105	2,159	2,141	2,137	2,088	2,003	1,837
STATE													
California-----	137	89	149	130	134	131	133	152	175	170	147	126	107
Georgia-----	229	207	202	225	224	233	223	225	223	235	255	252	246
Maine-----	14	3	5	2	2	14	15	15	44	27	21	15	5
Maryland-----	59	48	45	55	64	68	69	69	56	65	65	62	45
New Hampshire-----	21	16	15	16	28	27	27	28	26	30	24	9	10
North Carolina-----	574	511	597	596	557	547	560	600	592	597	622	571	530
Pennsylvania-----	138	56	89	114	143	160	161	159	146	141	132	169	167
South Carolina-----	364	327	333	350	388	395	392	391	383	377	369	341	324
Virginia-----	193	138	97	214	244	229	238	225	221	219	165	163	163
Other States-----	371	200	163	210	362	408	449	473	474	475	474	436	323

¹ For definition of the industry see footnote 1, tables 36 and 38.
² All mining operations were open quarries.
³ Includes 2 preparation plants not operated in conjunction with a quarry.

TABLE 41.—EMPLOYMENT AND WORKING TIME AT CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY DEPARTMENT AND BY STATE: 1939¹

DEPARTMENT	United States	California	Georgia	Maine	Maryland	New Hampshire	North Carolina	Pennsylvania	South Carolina	Virginia	Other States
Average number of wage earners on active days, total-----	2,613	136	262	36	58	33	869	155	372	214	478
At quarries, total-----	1,848	110	182	27	51	25	632	145	220	170	286
Open-cut-----	1,783	110	169	26	51	25	632	141	197	169	263
Surface shops and yards-----	65		13	1				4	23	1	23
At preparation plants (crushing, screening, washing, and storage)-----	765	26	80	9	7	8	237	10	152	44	192
Average number of equivalent full days operations were active-----	201	248	227	113	262	132	186	182	269	181	167
At quarries, total-----	203	246	224	131	262	130	184	183	268	181	192
Open-cut-----	203	246	228	134	262	130	184	183	267	180	192
Surface shops and yards-----	213		175	51				172	271	250	189
At preparation plants (crushing, screening, washing, and storage)-----	196	257	233	57	259	139	191	165	270	184	131
Number of man-shifts worked by wage earners, total ² -----	539,848	34,996	61,845	4,050	15,178	4,537	161,967	31,403	102,462	59,190	84,220
On active days, total-----	525,564	33,696	59,525	4,050	15,178	4,366	161,827	28,186	99,937	38,772	80,027
At quarries, total-----	375,555	27,013	40,850	3,539	13,365	3,256	116,575	26,541	58,866	30,894	54,858
Open-cut-----	361,697	27,013	38,574	3,488	13,365	3,256	116,575	25,853	52,622	30,444	50,509
Surface shops and yards-----	13,858		2,276	51				688	6,244	250	4,349
At preparation plants (crushing, screening, washing, and storage)-----	150,009	6,683	18,675	511	1,815	1,110	45,252	1,845	41,071	8,078	25,169
On inactive days-----	14,284	1,300	2,320			171	140	3,217	2,525	418	4,193
Number of man-hours worked by wage earners, total-----	4,574,320	271,127	503,991	34,864	124,190	37,919	1,419,629	280,962	876,535	330,918	694,185
On active days, total-----	4,454,995	260,731	485,071	34,864	124,190	36,551	1,418,539	251,762	856,335	327,432	659,520
At quarries, total-----	3,192,802	212,506	331,344	30,299	108,747	27,177	1,025,718	236,959	511,009	259,234	449,809
Open-cut-----	3,077,633	212,506	313,816	29,840	108,747	27,177	1,025,718	230,767	458,706	256,734	413,622
Surface shops and yards-----	115,169		17,528	459				6,192	52,303	2,500	36,187
At preparation plants (crushing, screening, washing, and storage)-----	1,282,193	48,225	153,727	4,565	15,443	9,374	392,821	14,803	345,326	88,198	209,711
On inactive days-----	119,325	10,396	18,920			1,368	1,090	29,200	20,200	3,486	34,665

¹ For definition of the industry see footnote 1, tables 36 and 38.
² All quarries were operated only one shift.

MINERAL INDUSTRIES

TABLE 42.—QUANTITY OF FUEL AND ELECTRIC ENERGY CONSUMED AT CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939¹

TYPE OF OPERATION AND STATE	FUEL				ELECTRIC ENERGY (thousands of kilowatt-hours)		
	Anthracite (tons of 2,000 pounds)	Bituminous coal (tons of 2,000 pounds)	Fuel oils (barrels of 42 gallons)	Gasoline and kerosene (gallons)	Total	Purchased	Generated by reporting companies
United States, total	112	10,329	21,136	913,471	21,978	20,746	1,252
TYPE OF OPERATION							
Quarries only		260	1,553	139,066	225	225	
Quarries and preparation plants operated together ²	112	10,069	19,583	774,405	21,753	20,521	1,232
STATE							
California		140	3,892	172,170	815	809	3
Georgia	24	1,059	114	72,318	2,677	2,677	
Maine	3	46		15,941	68	68	
Maryland		410	138	42,564	39	39	
New Hampshire		160	50	10,374	45	45	
North Carolina	81	897	6,123	176,809	6,198	6,198	
Pennsylvania		745	200	93,720	664	664	
South Carolina		2,502	298	58,340	5,333	5,333	
Virginia		1,898	188	21,969	3,442	3,442	
Other States	4	2,472	10,105	251,266	2,897	1,471	1,232

¹ For definition of the industry see footnote 1, tables 36 and 38. No natural gas was reported consumed.

² Includes two preparation plants not operated in conjunction with a quarry.

TABLE 43.—NUMBER AND HORSEPOWER RATING OF PRIME MOVERS AND ELECTRIC MOTORS AT CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939¹

TYPE OF OPERATION AND STATE	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED BY REPORTING COMPANIES	
	Aggregate horsepower	Prime movers								Electric motors driven by pur- chased energy			
		Total		Driving generators		Not driving generators		Ordinarily idle (included in pre- ceding columns)		Number	Horsepower		
		Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower				
United States, total	48,142	354	21,531	7	2,415	347	19,116	5	320	727	26,611	82	2,450
Stationary	30,870	66	6,325	6	2,315	60	4,010	3	250	676	24,545	78	2,285
Mobile	17,272	288	15,206	1	100	287	15,106	2	70	51	2,066	4	165
TYPE OF OPERATION													
Quarries only, total	3,830	44	3,245			44	3,245			12	585		
Stationary	925	5	340			5	340			12	585		
Mobile	2,905	39	2,905			39	2,905						
Quarries and preparation plants operated together, total ²	44,312	310	18,286	7	2,415	303	15,871	5	320	715	26,026	82	2,450
Stationary	29,945	61	5,985	6	2,315	55	3,870	3	250	684	23,980	78	2,285
Mobile	14,367	249	12,301	1	100	248	12,201	2	70	51	2,066	4	165
STATE													
California, total	6,983	53	4,035	1	110	52	3,925			120	2,948	5	100
Stationary	3,258	13	910	1	110	12	800			109	2,348	5	100
Mobile	3,725	40	3,125			40	3,125			11	600		
Georgia, total	4,554	13	360			13	360			116	4,194		
Stationary	3,610	1	40			1	40			104	3,570		
Mobile	944	12	320			12	320			12	624		
Maine, total	968	11	463			11	463			12	505		
Stationary	665	3	160			3	160			12	505		
Mobile	303	8	303			8	303						
Maryland, total	845	13	614			13	614			10	231		
Stationary	321	2	90			2	90			10	231		
Mobile	524	11	524			11	524						
New Hampshire, total	1,150	21	764			21	764			10	366		
Stationary	600	6	240			6	240			9	360		
Mobile	550	15	524			15	524			1	26		
North Carolina, total	8,190	51	3,375			51	3,375			87	4,815		
Stationary	5,320	7	605			7	605			83	4,715		
Mobile	2,870	44	2,770			44	2,770			4	100		
Pennsylvania, total	2,342	31	1,265			31	1,265	1	150	44	1,057		
Stationary	1,192	3	215			3	215	1	150	40	977		
Mobile	1,150	28	1,070			28	1,070			4	80		
South Carolina, total	7,408	21	1,140			21	1,140	2	100	123	6,268		
Stationary	6,329	9	575			9	575	2	100	108	5,754		
Mobile	1,079	12	565			12	565			15	514		
Virginia, total	4,296	32	1,868			32	1,868			108	2,430		
Stationary	2,643	4	295			4	295			106	2,348		
Mobile	1,655	28	1,573			28	1,573			2	82		
Other States, total	11,404	108	7,827	6	2,305	102	5,322	2	70	97	3,777	77	2,350
Stationary	5,932	18	3,195	5	2,205	13	990			95	3,737	73	2,155
Mobile	4,472	90	4,432	1	100	89	4,332	2	70	2	40	4	165

¹ For definition of the industry see footnote 1, tables 36 and 38.

² Includes one preparation plant not operated in conjunction with a quarry.

TABLE 44.—NUMBER OF POWER-LOADING MACHINES AT CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY TYPE, BY KIND OF POWER USED, BY SIZE, AND BY STATE: 1939¹

TYPE, KIND OF POWER USED, AND SIZE	United States	California	Georgia	Maine	Maryland	New Hampshire	North Carolina	Pennsylvania	South Carolina	Virginia	Other States
Power shovels, total	93	11	7	4	4	4	14	11	8	8	22
Kind of power used:											
Steam	30	1	2	1	2	1	2	6	2	3	10
Electric	19	2	5				4		5	2	1
Internal-combustion engine	44	8		3	2	3	8	5	1	3	11
Dipper capacity (cu. yds.):											
Less than 3	38	9	6	4	4	4	14	11	8	8	20
3 to 5	5	2	1								2
Dragline excavators ²	2	1									1
Scraper loaders, total	3	1		2							
Kind of power used:											
Internal-combustion engine	3	1		2							
Horsepower rating of hoist:											
Less than 10	1			1							
26 to 100	2	1		1							
Clamshell and orange-peel loaders, total	30		4				9	2	6	1	8
Kind of power used:											
Steam	3		1				1			1	
Electric	8								4		2
Internal-combustion engine	19		1				8	2	2		6
Cranes and hoists, total	26		2		2		6		6		10
Kind of power used:											
Steam	3										3
Electric	18		2				5		4		7
Compressed air	1						1				
Internal-combustion engine	4				2				2		
Other types, total ³	9	1			1		2	2	2		1
Kind of power used:											
Electric	2								2		
Internal-combustion engine	7	1			1		2	2			1

¹ For definition of the industry see footnote 1, tables 36 and 38.
² Driven by internal-combustion engines and with bucket capacities of less than 3 cubic yards.
³ Includes 7 bucket-type loaders and 2 cableways.

TABLE 45.—SELECTED STATISTICS FOR INCORPORATED AND UNINCORPORATED OPERATING COMPANIES ENGAGED IN CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

STATE	Number of operating companies	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries
						Total	Wage earners (average for the year)	Salaries employees	Proprietors and firm members		
United States, total	59	79	74	6,500,177	\$7,029,966	2,354	2,100	232	22	\$1,782,305	\$572,825
Incorporated	37	59	52	6,025,978	6,419,408	2,078	1,884	209		1,566,059	532,769
Unincorporated	22	20	22	474,199	610,558	281	236	23	22	216,246	40,056
California, total	7	8	5	659,539	736,917	159	137	18	4	195,879	46,993
Incorporated	3	4	1	590,986	639,139	134	118	16		174,052	40,413
Unincorporated	4	4	4	68,553	97,778	25	19	2	4	21,827	6,580
Georgia, total	5	5	5	826,491	804,508	248	229	19		171,269	56,486
Incorporated	4	4	4	826,491	804,508	248	229	19		171,269	56,486
Unincorporated	1	1	1								
Maine ²	3	3	3	26,138	35,259	19	14	5		16,152	6,510
Maryland, total	4	4	3	69,512	113,561	67	59	5	3	52,825	12,732
Incorporated	2	2	1								
Unincorporated	2	2	2	69,512	113,561	67	59	5	3	52,825	12,732
New Hampshire, total	4	4	4	28,824	47,803	30	21	8	1	19,780	8,158
Incorporated	2	2	2								
Unincorporated	2	2	2	28,824	47,803	30	21	8	1	19,780	8,158
North Carolina, total	5	21	22	1,668,182	1,795,836	639	574	64	1	379,363	123,391
Incorporated	4	21	21								
Unincorporated	1	1	1	1,668,182	1,795,836	639	574	64	1	379,363	123,391
Pennsylvania, total	6	6	6	295,199	342,156	161	138	16	7	139,377	29,205
Incorporated	1	1	1								
Unincorporated	5	5	5	295,199	342,156	161	138	16	7	139,377	29,205
South Carolina ²	4	4	4	1,134,025	1,260,558	394	364	30		266,592	134,661
Virginia, total	4	6	6	546,829	593,469	208	193	13	2	142,098	27,629
Incorporated	2	4	4								
Unincorporated	2	2	2	546,829	593,469	208	193	13	2	142,098	27,629
Other States, total	19	18	16	1,245,038	1,299,899	429	371	54	4	399,170	127,060
Incorporated	14	14	11	1,166,157	1,198,800	400	346	54		372,869	127,060
Unincorporated	5	4	5	78,881	100,999	29	25		4	26,301	

¹ For definition of the industry see footnote 1, tables 36 and 38.
² All companies were incorporated.

MINERAL INDUSTRIES

TABLE 46.—SELECTED STATISTICS FOR CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY VALUE OF PRODUCTS AND BY STATE: 1939¹

STATE AND VALUE OF PRODUCTS	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total-----	79	74	6,500,177	\$7,029,966	2,354	2,100	232	22	10	\$1,782,305	\$572,825
\$1 - \$19,999-----	31	28	250,560	308,432	207	171	22	14	8	131,441	21,064
\$20,000 - \$49,999-----	16	18	468,244	561,670	191	169	16	6	2	148,948	36,123
\$50,000 - \$99,999-----	11	8	583,812	803,389	370	343	26	1	-----	212,969	46,894
\$100,000 - \$249,999-----	8	8	1,105,412	1,198,569	372	334	38	-----	-----	281,777	122,368
\$250,000 - \$499,999-----	11	11	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$500,000 - \$999,999-----	1	-----	4,084,149	4,171,908	1,214	1,083	180	1	-----	1,007,270	342,546
Unclassified-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
California, total-----	8	5	659,539	738,917	159	137	18	4	2	195,879	46,993
\$1 - \$19,999-----	4	2	43,788	55,998	23	18	4	1	1	15,954	1,462
\$20,000 - \$49,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$50,000 - \$99,999-----	1	1	615,751	701,019	136	119	14	3	1	178,725	45,531
\$100,000 - \$249,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$250,000 - \$999,999-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Hampshire, total-----	4	4	28,624	47,803	30	21	8	1	-----	19,780	8,159
\$1 - \$19,999-----	4	4	28,624	47,803	30	21	8	1	-----	19,780	8,159
North Carolina, total-----	21	22	1,638,182	1,795,836	639	574	64	1	-----	379,363	123,391
\$1 - \$19,999-----	5	5	68,372	73,784	25	25	-----	-----	-----	20,874	-----
\$20,000 - \$49,999-----	8	2	238,014	259,320	82	77	4	1	-----	52,317	4,700
\$50,000 - \$99,999-----	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
\$100,000 - \$249,999-----	2	2	1,361,796	1,462,732	532	472	60	-----	-----	305,672	118,691
\$250,000 - \$499,999-----	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
South Carolina, total-----	4	4	1,134,625	1,260,558	394	364	30	-----	-----	266,592	134,661
\$250,000 - \$499,999-----	4	4	1,134,625	1,260,558	394	364	30	-----	-----	266,592	134,661
Other States, total-----	42	38	3,009,207	3,188,852	1,132	1,004	112	16	8	920,691	259,622
\$1 - \$19,999-----	18	17	109,776	148,947	130	108	10	12	7	74,833	12,444
\$20,000 - \$49,999-----	7	8	209,516	276,519	98	84	11	3	1	89,014	25,593
\$50,000 - \$99,999-----	7	4	378,356	522,828	241	218	23	-----	-----	144,512	44,394
\$100,000 - \$249,999-----	5	5	706,779	825,990	212	195	17	-----	-----	172,875	57,452
\$250,000 - \$499,999-----	4	4	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified-----	1	1	1,604,780	1,414,569	451	399	51	1	-----	439,657	119,739

¹ For definition of the industry see footnote 1, tables 36 and 38. Reports classified by value of products represent a single quarry, a single preparation plant, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which figures were not adequately reported for classification and reports for central offices reported separately from their associated quarries.

TABLE 47.—SELECTED STATISTICS FOR CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹

STATE AND TONS OF GRANITE (tons of 2,000 pounds)	Number of quarries	Number of prepa- ration plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total-----	79	74	6,500,177	37,029,966	2,354	2,100	232	22	10	\$1,782,305	\$572,825
1 - 999-----	3	3	1,328	12,865	14	9	3	2	1	4,778	1,684
1,000 - 4,999-----	6	4	18,822	44,500	43	37	6	-----	-----	23,441	11,244
5,000 - 9,999-----	11	11	82,032	101,082	80	64	7	9	4	48,215	6,379
10,000 - 14,999-----	7	6	84,909	139,648	42	38	3	1	1	35,997	2,661
15,000 - 24,999-----	9	10	200,014	232,961	98	82	10	6	4	67,570	17,057
25,000 - 49,999-----	13	12	451,744	561,516	206	193	13	-----	-----	158,276	33,354
50,000 - 99,999-----	8	7	559,052	723,688	364	334	30	-----	-----	211,215	60,253
100,000 - 199,999-----	5	5	731,530	785,550	227	199	28	-----	-----	177,855	96,468
200,000 - 499,999-----	12	11	4,311,431	4,344,280	1,232	1,120	111	1	-----	1,033,691	301,161
500,000 and over-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified-----	4	4	59,015	103,988	48	24	21	3	-----	23,287	42,584
California, total-----	8	5	659,539	736,917	159	137	18	4	2	195,879	46,993
1,000 - 4,999-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999-----	1	1	62,502	61,729	33	25	5	3	2	22,971	7,292
15,000 - 24,999-----	3	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
100,000 - 199,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
200,000 - 499,999-----	1	-----	597,037	675,188	126	112	13	1	-----	172,708	39,701
Unclassified-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
North Carolina, total-----	21	22	1,668,182	1,795,836	639	574	64	1	-----	379,363	123,391
5,000 - 9,999-----	1	1	48,619	59,065	20	20	-----	-----	-----	17,742	-----
10,000 - 14,999-----	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
15,000 - 24,999-----	4	5	98,432	106,064	46	41	4	1	-----	20,336	4,700
25,000 - 49,999-----	7	7	242,729	297,758	98	97	1	-----	-----	64,857	1,500
50,000 - 99,999-----	2	2	345,454	342,324	171	159	12	-----	-----	89,813	33,591
100,000 - 199,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
200,000 - 499,999-----	3	3	932,948	990,625	304	257	47	-----	-----	186,615	93,300
Pennsylvania, total-----	6	6	295,199	342,156	161	138	16	7	3	139,377	29,205
1 - 999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999-----	2	2	15,351	28,720	25	19	1	5	2	9,620	1,300
15,000 - 24,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
25,000 - 49,999-----	1	1	279,848	313,436	136	119	15	2	1	129,757	27,905
200,000 - 499,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
South Carolina, total-----	4	4	1,134,625	1,280,558	394	364	30	-----	-----	266,592	134,661
200,000 - 499,999-----	4	4	1,134,625	1,280,558	394	364	30	-----	-----	266,592	134,661
Virginia, total-----	6	6	546,829	593,469	208	193	13	2	-----	142,098	27,629
1,000 - 4,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999-----	1	1	45,369	60,143	40	36	2	2	-----	21,805	3,510
15,000 - 24,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
25,000 - 49,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
50,000 - 99,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
100,000 - 199,999-----	1	1	501,460	533,326	168	157	11	-----	-----	120,293	24,119
200,000 - 499,999-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States-----	34	31	2,195,803	2,301,030	793	694	91	8	5	659,196	210,946
1 - 999-----	2	2	12,518	41,490	41	33	8	-----	-----	21,759	12,796
1,000 - 4,999-----	4	3	45,265	52,951	33	25	4	4	3	24,624	3,319
5,000 - 9,999-----	6	6	79,349	152,372	45	38	5	2	2	45,604	7,783
10,000 - 14,999-----	4	3	145,249	198,622	88	78	10	-----	-----	75,839	28,174
15,000 - 24,999-----	1	2	338,249	439,807	188	169	19	-----	-----	115,902	35,753
25,000 - 49,999-----	4	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
50,000 - 99,999-----	5	4	-----	-----	-----	-----	-----	-----	-----	-----	-----
100,000 - 199,999-----	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
200,000 - 499,999-----	2	2	1,542,417	1,363,787	358	334	24	-----	-----	360,101	80,532
500,000 and over-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified-----	3	3	32,756	52,001	40	17	21	2	-----	15,387	42,584

¹For definition of the industry see footnote 1, tables 36 and 38. Reports classified by quantity of granite produced represent a single quarry, a single preparation plant, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which figures were not adequately reported for classification and reports for central offices reported separately from their associated quarries and plants.

MINERAL INDUSTRIES

TABLE 48.—SELECTED STATISTICS FOR CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF WAGE EARNERS AND BY STATE: 1939¹

STATE AND NUMBER OF WAGE EARNERS	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	79	74	6,500,177	\$7,029,966	2,354	2,100	232	22	10	\$1,782,305	\$572,825
1 - 5	21	20	248,911	253,038	104	82	13	9	7	72,465	13,938
6 - 20	30	29	890,932	950,475	325	292	31	12	3	239,026	52,307
21 - 50	11	9	1,135,234	1,210,539	417	378	39	---	---	303,993	109,140
51 - 100	12	11	2,955,842	3,257,105	1,040	938	102	---	---	712,911	290,100
101 - 250	4	4	---	---	---	---	---	---	---	---	---
Unclassified	1	1	1,478,288	1,347,379	468	420	47	1	---	454,890	107,340
California, total	3	5	659,539	732,917	159	137	18	4	2	195,679	46,993
1 - 5	3	2	26,581	22,445	10	7	2	1	1	8,040	822
6 - 20	3	2	---	---	---	---	---	---	---	---	---
21 - 50	1	1	632,978	714,472	149	130	16	3	1	187,639	46,151
51 - 100	1	1	---	---	---	---	---	---	---	---	---
North Carolina, total	21	22	1,668,182	1,795,836	639	574	64	1	---	379,363	123,391
1 - 5	7	7	140,774	126,402	32	32	---	---	---	27,179	---
6 - 20	7	8	198,844	265,826	81	76	4	1	---	49,542	4,700
21 - 50	2	2	1,327,564	1,403,809	528	456	60	---	---	302,642	118,691
51 - 100	5	5	---	---	---	---	---	---	---	---	---
Other States, total	50	47	4,172,456	4,497,213	1,556	1,389	150	17	8	1,207,263	402,441
1 - 5	11	11	81,576	109,221	82	43	11	8	6	37,266	13,076
6 - 20	8	19	1,100,757	1,479,179	486	432	46	8	2	374,530	98,571
21 - 50	6	6	---	---	---	---	---	---	---	---	---
51 - 100	6	6	1,445,295	1,561,434	540	494	46	---	---	340,577	133,454
101 - 250	4	4	---	---	---	---	---	---	---	---	---
Unclassified	1	1	1,478,288	1,347,379	468	420	47	1	---	454,890	107,340

¹ For definition of the industry see tables 36 and 35, footnote 1. Reports classified by average number of wage earners employed during the year represent a single quarry, a single preparation plant, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which number of wage earners, by month, was not adequately reported and reports for central offices reported separately from their associated quarries and plants.

TABLE 49.—SELECTED STATISTICS FOR CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK AND BY STATE: 1939¹

STATE AND HOURS PER WEEK	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	79	74	6,500,177	\$7,029,966	2,354	2,100	232	22	10	\$1,782,305	\$572,825
1 - 34	1	1	---	---	---	---	---	---	---	---	---
40	7	7	508,997	662,793	259	237	20	2	1	172,396	48,837
41 - 42	14	13	2,180,712	3,320,273	1,051	948	103	---	---	670,910	279,970
43 - 44	8	8	830,376	675,861	219	193	19	7	5	260,006	49,903
45 - 47	1	1	---	---	---	---	---	---	---	---	---
48	6	6	505,839	606,187	111	102	8	1	1	165,579	12,092
49 - 53	6	6	237,399	287,054	92	78	11	3	---	60,072	14,641
54 - 59	13	13	544,656	632,508	249	227	19	5	---	209,621	36,530
60 and over	2	2	---	---	---	---	---	---	---	---	---
Unclassified	19	17	712,198	845,491	373	315	52	6	3	245,721	130,812
North Carolina, total	21	22	1,668,182	1,795,836	639	574	64	1	---	379,363	123,391
40	2	3	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
41 - 42	6	6	1,239,648	1,255,627	428	370	58	---	---	239,926	108,591
54 - 59	10	10	2,352,924	2,465,271	2,196	2,189	26	2	---	2,126,341	2,18,800
Unclassified	3	3	75,612	74,938	15	---	---	---	---	13,096	---
South Carolina, total	4	4	1,134,625	1,260,558	394	364	30	---	---	266,592	134,661
41 - 42	4	4	1,134,625	1,260,558	394	364	30	---	---	266,592	134,661
Other States, total	54	48	3,097,370	3,973,572	1,321	1,162	138	21	10	1,136,350	314,773
1 - 54	1	1	---	---	---	---	---	---	---	---	---
40	5	4	383,235	469,534	131	116	14	1	1	101,382	32,037
41 - 42	4	3	786,441	804,087	229	214	15	---	---	164,392	59,728
43 - 44	8	8	830,376	675,861	219	193	19	7	5	260,006	49,903
45 - 47	1	1	---	---	---	---	---	---	---	---	---
48	6	6	505,839	606,187	111	102	8	1	1	165,579	12,092
49 - 53	6	6	237,399	287,054	92	78	11	3	---	60,072	14,641
54 - 59	3	3	316,894	360,496	181	159	19	3	---	154,294	36,530
60 and over	2	2	---	---	---	---	---	---	---	---	---
Unclassified	16	14	636,586	770,853	358	300	52	6	3	232,625	130,812

¹ For definition of the industry see tables 36 and 38, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent: Reports on which number of hours was not reported; reports on which no wage earners were reported; and reports for central offices reported separately from their associated quarries and plants.

² Statistics for operations classified in the 40-hours-per-week class interval are included with those for operations classified in the 54 - 59 class interval.

TABLE 50.—SELECTED STATISTICS FOR CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF DAYS ACTIVE DURING THE YEAR: 1939¹

NUMBER OF DAYS ACTIVE DURING YEAR	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	79	74	6,500,177	\$7,029,966	2,354	2,100	232	22	10	\$1,782,305	\$572,825
1 - 49	9	7	144,456	136,703	51	48	3	-----	-----	37,135	712
50 - 99	10	11	237,612	287,891	133	125	7	1	1	68,303	6,285
100 - 149	13	13	299,664	335,542	117	97	15	5	2	90,284	22,036
150 - 199	9	8	585,904	762,899	282	252	27	3	2	234,716	61,763
200 - 224	10	10	1,724,087	1,520,759	462	422	36	4	2	402,460	88,347
225 - 249	5	4	562,795	585,923	210	196	13	1	1	146,893	53,420
250 - 274	7	5	528,598	680,767	251	227	23	1	1	176,155	97,907
275 - 299	6	7	1,282,242	1,348,917	432	387	43	2	-----	266,596	80,764
300 - 324	7	6	1,086,980	1,296,478	379	329	46	4	1	345,263	120,206
Unclassified	3	3	46,859	74,087	37	17	19	1	-----	14,500	41,385

¹ For definition of the industry see tables 36 and 38, footnote 1. Reports classified by number of days active represent a single quarry, a single preparation plant, or a single quarry and a single preparation plant reported together; such reports for a single quarry or a single preparation plant were classified by number of days the quarry or preparation plant was in operation for production or development purposes during the year; such reports for a single quarry and a single preparation plant reported together were classified by number of days the quarry was in operation during the year. Statistics shown for "Unclassified" represent reports on which number of days active was not reported and reports for central offices reported separately from their associated quarries and plants.

TABLE 51.—SELECTED STATISTICS FOR CRUSHED AND BROKEN GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹

STATE AND TONS OF GRANITE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	79	74	6,500,177	\$7,029,966	2,354	2,100	232	22	10	\$1,782,305	\$572,825
Less than 0.20	2	2	15,755	43,853	50	41	7	2	-----	26,882	11,421
0.20 - 0.39	3	3	73,251	121,137	89	82	6	1	-----	55,975	16,300
0.40 - 0.59	3	3	291,313	412,627	227	212	14	1	1	135,980	39,869
0.60 - 0.79	7	6	583,618	710,821	309	275	34	-----	-----	185,138	59,060
0.80 - 0.99	8	8	1,966,261	2,238,958	783	698	77	8	5	562,923	219,834
1.00 - 1.49	21	20	554,931	573,152	146	126	20	-----	-----	106,423	44,153
1.50 - 1.99	6	5	390,252	316,905	106	90	16	-----	-----	76,685	49,946
2.00 - 2.49	4	3	1,724,732	1,514,402	308	292	16	-----	-----	366,274	41,806
2.50 - 2.99	6	6	353,995	437,198	61	56	5	-----	-----	54,965	14,839
3.00 - 6.99	5	5	545,869	680,913	275	228	37	10	4	189,060	75,797
Unclassified	14	13	-----	-----	-----	-----	-----	-----	-----	-----	-----
North Carolina, total	21	22	1,666,182	1,795,836	639	574	64	1	-----	379,363	123,591
0.40 - 0.59	1	1	213,724	261,728	187	179	8	-----	-----	101,793	20,300
0.60 - 0.79	3	3	352,349	412,175	153	132	21	-----	-----	88,541	35,100
0.80 - 0.99	4	4	317,750	354,931	116	96	22	-----	-----	74,919	30,400
1.00 - 1.49	5	5	703,441	644,480	159	146	13	-----	-----	108,566	37,591
1.50 - 1.99	2	2	80,918	102,522	22	21	-----	1	-----	10,544	-----
2.00 - 2.49	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.50 - 2.99	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3.00 - 6.99	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
South Carolina, total	4	4	1,134,625	1,260,558	394	364	30	-----	-----	266,592	134,661
1.00 - 1.49	4	4	1,134,625	1,260,558	394	364	30	-----	-----	266,592	134,661
Other States, total	54	48	3,697,370	3,973,572	1,321	1,162	136	21	10	1,136,350	314,773
Less than 0.20	2	2	15,755	43,853	50	41	7	2	-----	26,882	11,421
0.20 - 0.39	3	3	73,251	121,137	89	82	6	1	-----	55,975	16,300
0.40 - 0.59	2	2	150,840	252,036	130	116	12	2	1	90,162	35,869
0.60 - 0.79	4	3	231,469	298,646	155	142	13	-----	-----	96,597	23,980
0.80 - 0.99	4	4	513,886	623,469	271	238	25	8	5	221,412	54,773
1.00 - 1.49	12	11	1,966,474	1,759,979	401	362	39	-----	-----	467,816	98,114
1.50 - 1.99	4	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.00 - 2.49	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.50 - 2.99	5	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
3.00 - 6.99	3	3	818,946	995,569	314	263	42	9	4	233,461	90,636
Unclassified	14	12	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ For definition of the industry see tables 36 and 38, footnote 1. Reports classified by output per man-hour represent a single quarry, a single preparation plant, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which figures were not adequately reported for classification and reports for central offices reported separately from their associated quarries and plants.

TABLE 52.—PRINCIPAL STATISTICS FOR ROUGH-DIMENSION

(For producing

ITEM	United States	California	Connecticut	Georgia and South Carolina	Maine	Massachusetts	Minnesota	New Hampshire
Number of operating companies-----	3141	7	4	13	8	16	21	8
Number of quarries ¹ -----	168	7	4	16	8	17	30	6
Number of preparation plants (crushing, screening, washing, and storage)-----	12			1		3	2	2
Number of persons engaged, total-----	2,559	28	69	402	202	210	206	97
Wage earners (average for the year)-----	2,317	14	64	388	180	185	173	88
Salaries employees-----	152	1	3	9	18	18	13	4
Proprietors and firm members-----	90	13	2	5	4	7	20	5
Performing manual labor-----	49	11	1			2	11	5
Production of granite: ²								
Tons of 2,000 pounds-----	960,122	6,451	51,069	128,591	59,618	171,895	48,150	81,749
Value at quarries-----	\$5,843,336	\$67,613	\$111,828	\$612,963	\$381,511	\$ 656,471	\$434,994	\$158,133
Value of all products-----	\$5,846,115	\$67,616	\$111,828	\$612,963	\$381,511	\$656,471	\$437,768	\$158,133
Principal expenses designated below, total-----	\$3,802,783	\$21,523	\$96,099	\$446,186	\$303,698	\$438,468	\$326,406	\$109,309
Wages-----	\$2,373,256	\$16,804	\$76,497	\$269,745	\$216,589	\$198,879	\$185,424	\$89,064
Salaries-----	\$363,924	\$68	\$7,808	\$21,136	\$40,419	\$56,214	\$4,418	\$3,903
Supplies and materials-----	\$551,379	\$1,800	\$1,351	\$83,455	\$26,236	\$99,849	\$70,877	\$3,239
Fuel-----	\$169,060	\$857	\$9,053	\$20,509	\$12,608	\$34,599	\$9,310	\$8,343
Purchased electric energy-----	\$321,138	\$1,994	\$1,390	\$46,971	\$7,846	\$48,927	\$49,613	\$4,525
Contract work-----	\$24,026			\$4,370			\$6,764	\$235
Cost of buildings, machinery, and equipment erected or installed during year-----	\$188,689	\$467	\$1,937	\$40,486	\$5,029	\$35,478	\$14,993	\$850
Buildings-----	\$83,367		\$817	\$14,502	\$3,625		\$133	\$100
Machinery and equipment, total-----	\$155,322	\$467	\$1,120	\$25,984	\$1,404	\$35,478	\$14,860	\$250
Purchased in new condition-----	\$109,927	\$62	\$640	\$8,196	\$1,300	\$33,970	\$5,461	\$150
Purchased in used condition-----	\$45,395	\$405	\$480	\$17,788	\$104	\$1,508	\$9,399	\$100
Total number of man-shifts worked by wage earners-----	547,108	3,148	15,362	95,287	39,531	39,694	41,597	21,101
Total number of man-hours worked by wage earners-----	4,267,124	27,586	122,353	762,509	316,248	317,536	331,046	168,803
Average number of hours worked per shift-----	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Average hourly earning of wage earners-----	0.56	\$0.61	\$0.63	\$0.35	\$0.68	\$0.63	\$0.56	\$0.53
Tons of granite produced per man-hour ³ -----	0.225	0.234	0.417	0.169	0.189	0.541	0.130	0.464
Average number of equivalent full days operations were active ⁴ -----	205	195	233	249	102	185	221	205
Horsepower rating of power equipment, total-----	57,106	364	1,769	5,209	5,383	9,526	4,650	1,640
Per wage earner-----	24.5	26.0	27.6	13.4	29.9	51.5	26.9	18.7
Stationary equipment ⁶ -----	48,196	326	854	5,084	3,863	8,310	4,145	1,198
Mobile equipment ⁷ -----	8,910	38	915	125	1,520	1,216	505	450
Electric energy consumed (thousand of kw.-hrs.), total-----	17,938	65	37	2,839	636	3,252	2,305	215
Purchased-----	17,362	65	37	2,824	380	3,247	2,305	215
Generated by reporting companies-----	576			15	256	5		

¹ For definition of the industry see table 36, footnote 1. Tables 52 through 55 cover only those operations in the industry that were engaged principally in the production of rough-dimension granite.

² Colorado, Maryland, and New York, 3 quarries each; Missouri and Oklahoma, 2 quarries each; Delaware, Montana, New Jersey, South Carolina, Virginia, and Washington, 1 quarry each.

³ Two companies had operations in three of the designated areas, and three companies had operations in 2 of the areas.

GRANITE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

operations only)

ITEM	North Carolina	Pennsylvania	Rhode Island	South Dakota	Texas	Vermont	Wisconsin	Other States ²
Number of operating companies-----	7	10	4	6	7	9	11	17
Number of quarries-----	7	10	4	6	7	10	11	18
Number of preparation plants (crushing, screening, washing, and storage)-----	1	-----	1	-----	-----	1	1	-----
Number of persons engaged, total-----	151	84	87	80	33	618	120	172
Wage earners (average for the year)-----	140	74	73	75	25	584	110	144
Salaried employees-----	8	3	11	3	2	34	9	16
Proprietors and firm members-----	3	7	3	2	6	-----	1	12
Performing manual labor-----	3	2	1	-----	4	-----	-----	9
Production of granite: ³								
Tons of 2,000 pounds-----	66,959	53,641	38,176	16,703	4,237	112,970	22,359	102,554
Value at quarries-----	\$289,331	\$116,848	\$198,463	\$190,840	\$31,620	\$2,030,773	\$304,688	\$257,257
Value of all products-----	\$289,331	\$116,848	\$198,463	\$190,840	\$31,620	\$2,030,773	\$304,693	\$257,257
Principal expenses designated below, total-----	\$152,536	\$82,893	\$166,107	\$136,753	\$22,168	\$1,160,058	\$165,714	\$174,875
Wages-----	\$91,417	\$65,604	\$92,145	\$84,712	\$13,739	\$747,394	\$103,918	\$121,325
Salaries-----	\$19,300	\$4,532	\$25,437	\$4,700	\$2,000	\$115,899	\$33,855	\$24,225
Supplies and materials-----	\$28,516	\$5,481	\$24,273	\$22,975	\$2,418	\$165,047	\$8,450	\$5,802
Fuel-----	\$7,201	\$4,871	\$7,761	\$3,555	\$2,961	\$29,491	\$7,036	\$10,905
Purchased electric energy-----	\$6,102	\$2,395	\$14,369	\$16,977	\$1,050	\$100,421	\$11,691	\$5,887
Contract work-----	-----	-----	\$1,522	\$3,334	-----	\$1,506	\$744	\$4,751
Cost of buildings, machinery, and equipment erected or installed during year-----	\$7,925	\$3,545	\$18,093	\$7,146	\$4,075	\$35,553	\$8,347	\$5,255
Buildings-----	\$25	\$3,000	\$9,444	\$100	-----	-----	\$1,546	\$75
Machinery and equipment, total-----	\$7,900	\$545	\$8,649	\$7,046	\$4,075	\$35,553	\$6,801	\$5,190
Purchased in new condition-----	\$7,900	\$545	\$8,649	\$1,800	\$75	\$34,903	\$5,976	\$300
Purchased in used condition-----	-----	-----	-----	\$5,246	\$4,000	\$650	\$825	\$4,890
Total number of man-shifts worked by wage earners-----	33,412	15,842	16,258	19,455	5,244	141,970	25,589	33,308
Total number of man-hours worked by wage earners-----	267,237	130,587	130,060	155,714	42,623	1,026,205	202,426	256,191
Average number of hours worked per shift-----	8.0	8.2	8.0	8.0	8.1	7.2	7.9	8.0
Average hourly earning of wage earners-----	\$0.34	\$0.50	\$0.71	\$0.54	\$0.32	\$0.73	\$0.51	\$0.46
Tons of granite produced per man-hour ⁴ -----	0.251	0.411	0.294	0.107	0.099	0.110	0.110	0.385
Average number of equivalent full days operations were active ⁵ -----	179	218	236	260	181	232	211	221
Horsepower rating of power equipment, total-----	3,825	861	2,277	1,667	1,308	13,424	3,224	1,971
Per wage earner-----	27.3	11.6	31.2	22.2	52.3	23.0	29.3	13.7
Stationary equipment ⁶ -----	3,425	544	2,027	1,667	738	11,956	2,562	1,497
Mobile equipment-----	400	317	250	-----	570	1,468	662	474
Electric energy consumed (thousand of kw.-hrs.), total-----	424	80	642	1,103	32	5,627	483	198
Purchased-----	424	80	642	927	32	5,627	359	198
Generated by reporting companies-----	-----	-----	-----	176	-----	-----	124	-----

⁴All operations were open quarries except for 1 combination (open-cut and underground) mine.⁵Figures represent weights and values of rough rather than dressed-dimension stone; they include 258,964 short tons of crushed and broken stone, valued at \$244,642, produced by quarries engaged principally in the production of dimension stone.⁶Aggregate horsepower rating of engines, motors, etc. used for driving stationary or fixed equipment such as hoists, screens, crushers, compressors, etc.⁷Aggregate horsepower rating of engines, motors, etc. used for driving mobile equipment such as power shovels, locomotives, trucks, tractors, churn drills, etc.

MINERAL INDUSTRIES

TABLE 53.—QUANTITY AND VALUE OF PRODUCTS OF ROUGH-DIMENSION GRANITE

ITEM	UNITED STATES		CALIFORNIA		CONNECTICUT		GEORGIA AND SOUTH CAROLINA	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total	(a)	\$5,846,115	6,451	\$67,616	51,069	\$111,828	128,591	\$612,963
All granite produced, total ³	960,122	5,843,336	6,451	67,616	51,069	111,828	128,591	612,963
Rough-dimension granite, total	497,344	4,189,353	4,592	47,639	4,651	28,257	72,816	355,579
For use in construction:								
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.	157,082	393,255			2,778	5,526	8,792	8,018
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	91,447	155,517			1,100	5,729	27,220	20,577
For architecture (buildings and other high-class construction work)	53,085	375,993	710	14,855	63	557	722	37,656
For monuments and mausoleums	202,872	3,265,541	3,882	32,784	710	16,445	36,062	289,326
For other uses	2,860	19,047						
Dressed-dimension granite, including sawed, cut, and split stone, total	175,516	3,664,250	854	64,500	11,680	81,081	43,982	549,734
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	46,951	1,618,262	274	15,000	11,115	71,052	1,580	78,008
For monuments and mausoleums	53,979	1,328,973	580	49,500	62	4,191	35,750	431,731
Paving blocks	19,170	221,567						
Curbing	50,488	478,222			491	5,173	6,652	38,995
Flagging and floors or walkway slabs	4,069	11,821						
Mill stock (blocks, slabs, or pieces)	112	1,379			12	665		
For other uses	747	4,026						
Rough blocks used to produce dressed-dimension granite	213,814	1,409,341	959	17,477	15,358	35,679	53,656	255,285
Crushed, broken, and ground granite, total	258,964	244,642	900	2,500	51,060	47,692	2,119	2,119
Riprap	116,104	87,791	900	2,500	51,000	47,759		
Concrete and road metal	82,807	134,448						
Railroad ballast	360	180						
For other uses	59,693	22,223			60	133	2,119	2,119
Receipts for services performed for others	(a)	2,779						

ITEM	MAINE		MASSACHUSETTS		MINNESOTA		NEW HAMPSHIRE	
	Tons of 2,000 pounds	Value						
All products, total	59,618	\$381,511	171,895	\$656,471	(a)	\$437,768	81,749	\$158,133
All granite produced, total ³	59,618	381,511	171,895	656,471	43,150	434,894	81,749	158,133
Rough-dimension granite, total	24,405	171,701	72,997	250,975	34,716	394,805	13,596	84,104
For use in construction:								
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.	12,765	52,689	46,767	127,966	1,081	6,939	2,953	22,889
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	1,743	10,020	3,570	7,650	46	1,376	6,565	18,594
For architecture (buildings and other high-class construction work)	7,537	85,861	20,649	56,807	7,088	67,822	375	5,294
For monuments and mausoleums	852	8,266	2,011	58,552	26,501	318,668	3,695	37,547
For other uses	1,508	16,865						
Dressed-dimension granite, including sawed, cut, and split stone, total	23,824	593,225	56,917	761,143	2,039	77,507	6,370	306,364
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	7,363	409,306	14,427	335,129	944	45,999	4,679	294,529
For monuments and mausoleums	168	1,697	6,037	96,327	1,080	31,453	23	1,150
Paving blocks	14,642	173,227	3,274	28,481				
Curbing	953	5,837	32,929	300,026			1,125	7,675
Flagging and floors or walkway slabs			250	1,180	15	75	443	4,298
Mill stock (blocks, slabs, or pieces)							100	714
For other uses	700	3,156						
Rough blocks used to produce dressed-dimension granite	35,215	209,810	59,304	391,931	2,424	26,999	7,480	58,329
Crushed, broken, and ground granite, total			39,594	13,565	6,010	13,190	60,673	15,700
Riprap			28,547	5,597	210	390	4,898	5,449
Concrete and road metal			9,697	7,743	750	900	5,355	7,571
Railroad ballast							360	160
For other uses			1,350	225	5,050	11,900	50,060	2,500
Receipts for services performed for others					(a)	2,774		

¹ For definition of the industry see tables 36 and 52, footnote 1.² Not significant.³ Represents "Rough-dimension granite," "Rough blocks used to produce dressed-dimension granite," and "Crushed, broken, and ground granite."

OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT AND BY STATE: 1939¹

ITEM	NORTH CAROLINA		PENNSYLVANIA		RHODE ISLAND		SOUTH DAKOTA	
	Tons of 2,000 pounds	Value						
All products, total	66,959	\$289,331	53,641	\$116,848	38,176	\$198,463	16,705	\$190,840
All granite produced, total ³	66,959	289,331	53,641	116,848	38,176	198,463	16,705	190,840
Rough-dimension granite, total	18,436	146,791	52,706	110,202	5,355	167,374	12,859	107,660
For use in construction:								
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.	4,000	43,756	22,587	33,865				
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	6,925	20,956	25,134	26,543	1,455	1,065		
For architecture (buildings and other high-class construction work)	1,532	23,460	1,820	9,575			2,299	20,251
For monuments and mausoleums	3,949	58,639	2,078	39,856	3,882	166,509	10,540	87,409
For other uses			487	365				
Dressed-dimension granite, including sawed, cut, and split stone, total	10,755	542,932	560	11,646			3,352	267,041
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	3,322	187,052						
For monuments and mausoleums	900	42,708	375	10,000			3,352	267,041
Paving blocks	10	200	14	41				
Curbing	6,521	112,972						
Flagging and floors or walkway slabs			161	968				
Mill stock (blocks, slabs, or pieces)								
For other uses			10	537				
Rough blocks used to produce dressed-dimension granite	15,685	62,700	935	6,646			3,884	83,180
Crushed, broken, and ground granite, total	32,838	79,840			32,841	31,089		
Riprap	609	608			4,856	2,884		
Concrete and road metal	32,029	79,232			28,205	28,205		
Railroad ballast								
For other uses								
Receipts for services performed for others								

ITEM	TEXAS		VERMONT		WISCONSIN		OTHER STATES	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total	4,237	\$31,620	112,970	\$2,030,775	(2)	\$304,693	102,554	\$257,257
All granite produced, total ³	4,237	31,620	112,970	2,030,773	22,359	304,688	102,554	257,257
Rough-dimension granite, total	3,798	25,720	102,139	1,975,549	11,498	121,336	52,822	201,661
For use in construction:								
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.					5,702	4,863	29,649	87,386
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	766	850					14,927	21,777
For architecture (buildings and other high-class construction work)	1,460	5,160	518	2,865	2,565	22,700	5,715	25,108
For monuments and mausoleums	1,572	19,710	100,756	1,970,867	3,231	93,773	2,531	67,590
For other uses			865	1,817				
Dressed-dimension granite, including sawed, cut, and split stone, total	409	17,392	2,267	137,855	6,160	391,211	6,349	61,631
For use in construction or architecture (walls, roofing, foundations, bridges, etc.)	238	9,426	1,907	117,855	236	32,406	868	22,500
For monuments and mausoleums	171	7,956	360	20,000	4,838	340,042	285	25,197
Paving blocks					1,049	18,530	161	1,088
Curbing							1,817	7,546
Flagging and floors or walkway slabs							3,200	5,300
Mill stock (blocks, slabs, or pieces)								
For other uses					37	253		
Rough blocks used to produce dressed-dimension granite	439	5,900	4,602	45,624	7,019	176,005	6,874	33,796
Crushed, broken, and ground granite, total			6,229	9,600	3,842	7,347	42,858	21,800
Riprap					2,246	804	42,858	21,800
Concrete and road metal			6,229	9,600	542	1,197		
Railroad ballast								
For other uses					1,054	5,346		
Receipts for services performed for others					(2)	5		

¹ For definition of the industry see tables 36 and 52, footnote 1.

² Not significant.

³ Represents "Rough-dimension granite," "Rough blocks used to produce dressed-dimension granite," and "Crushed, broken, and ground granite."

MINERAL INDUSTRIES

TABLE 54.—NUMBER OF WAGE EARNERS AT ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, BY STATE AND BY MONTH: 1939¹

(For producing operations only)

TYPE OF OPERATION AND STATE	Average for the 12 months	NUMBER RECEIVING PAY DURING PAY-ROLL PERIOD ENDING NEAREST THE 15TH OF THE MONTH											
		January	February	March	April	May	June	July	August	September	October	November	December
United States, total	2,317	1,971	1,928	2,076	2,269	2,423	2,414	2,749	2,740	2,451	2,384	2,278	2,145
TYPE OF OPERATION													
Quarries only	2,126	1,807	1,772	1,911	2,098	2,229	2,215	2,556	2,536	2,220	2,173	2,084	1,933
Quarries and preparation plants operated together ²	191	164	158	165	171	194	199	193	204	211	211	214	212
STATE													
California	14	21	14	13	15	13	11	14	22	12	12	12	12
Connecticut	64	66	79	85	84	83	64	23	45	51	66	66	44
Georgia and South Carolina	388	386	389	400	394	394	396	394	381	401	386	372	362
Maine	180	108	59	67	123	175	117	437	457	177	149	136	153
Massachusetts	185	103	72	135	188	210	263	276	228	210	218	172	142
Minnesota	173	123	135	154	187	172	181	186	202	197	194	185	179
New Hampshire	88	77	48	52	92	94	102	107	120	98	110	88	71
North Carolina	140	139	115	124	124	141	141	135	157	154	155	154	179
Pennsylvania	74	72	67	68	70	73	75	80	85	78	79	77	71
Rhode Island	73	65	65	65	76	82	79	74	74	78	77	70	71
South Dakota	75	61	74	74	75	75	77	77	78	79	77	77	77
Texas	25	30	31	32	23	23	22	19	21	18	25	25	32
Vermont	584	507	555	568	584	611	598	611	620	589	596	601	587
Wisconsin	110	104	107	103	104	116	115	116	111	119	114	112	102
Other States	144	109	120	136	152	159	164	162	171	166	141	131	123

¹ For definition of the industry see tables 36 and 52, footnote 1.² Includes 1 combination (underground and open-cut) mine.TABLE 55.—EMPLOYMENT AND WORKING TIME AT ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, BY DEPARTMENT AND BY STATE: 1939¹

(For producing operations only)

DEPARTMENT	United States	California	Connecticut	Georgia and South Carolina	Maine	Massachusetts	Minnesota	New Hampshire	North Carolina	Pennsylvania	Rhode Island	South Dakota	Texas	Vermont	Wisconsin	Other States
Average number of wage earners on active days, total	2,658	18	68	392	377	213	188	104	186	72	69	75	29	610	121	150
At quarries, total	2,572	16	66	379	377	210	182	99	141	72	53	75	29	610	113	150
Underground	12										12					
Open-cut	2,421	16	65	379	377	206	186	99	141	72	55	69	28	564	112	147
Surface shops and yards	139		1		45	4	16		10		6	6	1	46	1	3
At preparation plants	86			3		3	6	5	45		16				8	
Average number of equivalent full days operations were active	205	195	233	249	102	185	221	203	179	218	236	260	181	232	211	221
At quarries, total ²	206	195	233	249	102	185	220	207	189	218	231	260	181	232	219	221
Underground	250										250					
Open-cut	208	195	233	249	112	186	217	207	185	218	235	259	182	232	220	221
Surface shops and yards	163		206		31	165	245		250		173	261	147	227	94	242
At preparation plants	175			260		184	275	130	148		250				100	
Number of man-shifts worked by wage earners, total	547,108	3,448	15,362	95,287	39,531	39,694	41,597	21,101	33,412	15,842	16,258	19,465	5,244	141,970	25,587	33,308
On active days, total ³	544,497	3,118	15,362	95,183	38,540	39,455	41,597	21,101	33,352	15,710	16,258	19,465	5,244	141,431	25,511	33,170
At quarries, total ²	529,415	3,118	15,362	94,403	38,540	38,903	39,959	20,449	26,692	15,710	12,258	19,465	5,244	141,431	24,711	33,170
Underground	3,000										3,000					
Open-cut	503,740	3,118	15,156	94,403	37,142	38,244	38,071	20,449	24,192	15,710	8,222	17,901	5,097	130,974	24,617	32,444
Surface shops and yards	22,675		206		1,398	659	3,888		2,500		1,036	1,564		147	10,457	84
At preparation plants ³	15,082			780		552	1,838	652	6,860		4,000				800	788
On inactive days	2,611	330		104	991	239			60	132				539	78	138
Number of man-hours worked by wage earners, total	4,267,124	27,586	122,353	762,509	316,248	317,538	331,046	168,803	267,237	130,587	130,060	155,714	42,623	1,022,205	202,426	268,191
On active days, total	4,246,448	24,946	122,353	755,229	308,320	311,216	317,942	163,586	266,817	129,461	130,060	155,714	42,623	1,022,301	201,812	265,091
At quarries, total ²	4,125,791	24,946	122,353	755,229	308,320	311,216	317,942	163,586	266,817	129,461	98,060	155,714	42,623	1,022,301	195,412	265,091
Underground	24,000										24,000					
Open-cut	3,930,498	24,946	120,703	755,229	297,136	305,947	286,838	163,586	266,817	129,461	65,772	145,201	41,447	948,753	194,657	259,283
Surface shops and yards	171,285		1,650		11,194	5,269	31,104		20,000		8,228	12,513	1,176	75,548	755	6,808
At preparation plants	120,657			6,240		4,416	13,104	5,217	53,280		32,000				6,400	1,100
On inactive days	20,676	2,640		1,040	7,928	1,904			420	1,126				3,904	614	1,100

¹ For definition of the industry see tables 36 and 52, footnote 1.² Includes 1 combination (open-cut and underground) mine.³ The total includes 860 man-shifts in North Carolina reported worked during the second shift.

TABLE 56.—QUANTITY OF FUEL AND ELECTRIC ENERGY CONSUMED AT ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939¹

(For producing operations only)

TYPE OF OPERATION AND STATE	FUEL					ELECTRIC ENERGY (thousands of kilowatt-hours)		
	Anthracite (tons of 2,000 pounds)	Bituminous coal (tons of 2,000 pounds)	Fuel oils (barrels of 42 gallons)	Gasoline and kerosene (gallons)	Natural gas (thousands of cubic feet)	Total	Pur- chased	Generated by reporting companies
United States, total	2,140	13,066	39,659	219,072	9,975	17,938	17,362	576
TYPE OF OPERATION								
Quarries only	2,140	11,751	39,224	204,766	9,975	15,374	14,798	576
Quarries and preparation plants operated together ²		1,315	435	14,306		2,564	2,564	
STATE								
California	1	3	40	5,123		65	65	
Connecticut		1,196	1,110			37	37	
Georgia and South Carolina	1,640	829	20,880	17,656		2,839	2,824	15
Maine	4	649	2,422	4,588		636	380	256
Massachusetts	5	1,828	8,355	63,599		3,252	3,247	5
Minnesota	40	438	1,122	13,127		2,305	2,305	
New Hampshire		836	621	2,302		215	215	
North Carolina	8	428	555	13,342		424	424	
Pennsylvania	304	340	50	11,475		80	80	
Rhode Island		911	179	11,575		642	642	
South Dakota	5	417	278			1,103	927	176
Texas	1		685	11,069		32	32	
Vermont	72	4,916	2,460	4,904		5,627	5,627	
Wisconsin	7	247	570	4,990		483	359	124
Other States	53	28	532	55,322	9,975	198	198	

¹ For definition of the industry see tables 36 and 52, footnote 1.

² Includes one combination (underground and open-cut) mine.

MINERAL INDUSTRIES

TABLE 57.—NUMBER AND HORSEPOWER RATING OF PRIME MOVERS AND ELECTRIC MOTORS AT ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939¹

(For producing operations only)

TYPE OF OPERATION AND STATE	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY											ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED BY REPORTING COMPANIES	
	Aggregate horsepower	Prime movers								Electric motors driven by purchased energy			
		Total		Driving generators		Not driving generators		Ordinarily idle (included in preceding columns)					
		Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower		
United States, total	57,106	404	24,724	12	1,920	392	22,804	33	3,828	767	32,382	55	1,417
Stationary	48,196	275	17,338	12	1,920	263	15,418	28	3,467	735	30,858	45	1,239
Mobile	8,910	129	7,386			129	7,386	5	361	34	1,524	10	178
TYPE OF OPERATION													
Quarries only, total	50,431	365	24,005	12	1,920	373	22,085	33	3,828	661	26,426	55	1,417
Stationary	41,859	265	16,929	12	1,920	253	15,009	28	3,467	631	24,950	45	1,239
Mobile	8,572	120	7,076			120	7,076	5	361	30	1,496	10	178
Quarries and preparation plants operated together, total ²	6,875	19	719			19	719			106	5,956		
Stationary	6,337	10	409			10	409			102	5,928		
Mobile	338	9	310			9	310			4	28		
STATE													
California, total	364	5	157			5	157			10	207		
Stationary	326	4	122			4	122			9	204		
Mobile	38	1	35			1	35			1	3		
Connecticut, total	1,769	40	1,585			40	1,585			22	184		
Stationary	854	27	750			27	750			16	104		
Mobile	915	13	835			13	835			6	80		
Georgia and South Carolina, total	5,209	14	1,451	1	150	13	1,301	1	400	80	3,758	6	120
Stationary	5,084	12	1,346	1	150	11	1,196	1	400	79	3,738	6	120
Mobile	125	2	105			2	105			1	20		
Maine, total	5,383	27	2,970	3	480	24	2,490	4	960	34	2,413	29	532
Stationary	3,883	16	2,280	3	480	13	1,800	4	960	29	1,593	19	354
Mobile	1,500	11	690			11	690			5	850	10	178
Massachusetts, total	9,526	98	4,725	1	75	97	4,650	6	706	122	4,801	5	155
Stationary	8,310	67	3,537	1	75	66	3,462	2	425	118	4,773	5	155
Mobile	1,216	31	1,188			31	1,188	4	281	4	28		
Minnesota, total	4,650	18	899			18	899	1	2	67	3,751		
Stationary	4,145	14	694			14	694	1	2	63	3,451		
Mobile	505	4	205			4	205			4	300		
New Hampshire, total	1,648	30	1,300			30	1,300			12	348		
Stationary	1,198	20	850			20	850			12	348		
Mobile	450	10	450			10	450						
North Carolina, total	3,825	40	3,022	2	250	38	2,772	11	880	18	803		
Stationary	3,425	36	2,622	2	250	34	2,372	10	800	18	803		
Mobile	400	4	400			4	400	1	80				
Pennsylvania, total	861	21	753	1	15	20	738	1	20	4	108		
Stationary	544	12	451	1	15	11	436	1	20	3	93		
Mobile	317	9	302			9	302			1	15		
Rhode Island, total	2,277	15	525			15	525			23	1,752		
Stationary	2,027	5	275			5	275			23	1,752		
Mobile	250	10	250			10	250						
South Dakota ³	1,667	2	460	1	400	1	60			25	1,187	5	325
Texas, total	1,308	19	1,228			19	1,228	5	195	2	80		
Stationary	738	11	658			11	658	5	195	2	80		
Mobile	570	8	570			8	570						
Vermont, total	13,424	23	2,608			23	2,608	3	650	253	10,816		
Stationary	11,956	13	1,290			13	1,290	3	650	247	10,666		
Mobile	1,468	10	1,318			10	1,318			6	150		
Wisconsin, total	5,224	15	1,647	3	550	12	1,097			71	1,577	8	285
Stationary	2,562	9	1,058	3	550	6	508			66	1,504	8	285
Mobile	662	6	589			6	589			5	73		
Other States, total	1,971	37	1,374			37	1,374	1	15	24	597		
Stationary	1,497	27	925			27	925	1	15	23	572		
Mobile	474	10	449			10	449			1	25		

¹ For definition of the industry see tables 36 and 52, footnote 1.² Includes one combination (underground and open-cut) mine.³ Stationary only; no mobile equipment was reported.

TABLE 58.—NUMBER OF POWER-LOADING MACHINES AT ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, BY TYPE, BY KIND OF POWER USED, BY SIZE, AND BY STATE: 1939¹

(For producing operations only)

TYPE, KIND OF POWER USED, AND SIZE	United States	California	Connecticut	Georgia and South Carolina	Maine	Massachusetts	Minnesota	New Hampshire	North Carolina	Pennsylvania	Rhode Island	South Dakota	Texas	Vermont	Wisconsin	Other States
Power shovels, total ² -----	17	-----	-----	-----	-----	4	-----	-----	-----	3	3	-----	1	1	3	2
Kind of power used:																
Steam-----	11	-----	-----	-----	-----	4	-----	-----	-----	3	3	-----	-----	1	-----	-----
Electric-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----
Internal-combustion engine-----	5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	2	2
Dragline excavators ³ -----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Scraper loaders ⁴ -----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Clamshells and orange-peel loaders, total-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	1	-----
Kind of power used:																
Steam-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----
Electric-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----
Cranes and hoists, total-----	310	4	13	30	34	34	31	17	19	2	4	11	12	58	18	23
Kind of power used:																
Steam-----	74	1	10	6	7	3	5	9	13	2	3	1	5	5	4	-----
Electric-----	141	2	3	17	21	11	7	2	-----	-----	1	7	-----	50	10	10
Compressed air-----	52	-----	-----	5	5	11	19	1	-----	-----	-----	3	6	-----	2	-----
Internal-combustion engine-----	43	1	-----	2	1	9	-----	5	6	-----	-----	-----	1	3	2	13
Other types ⁵ -----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1

¹ For definition of the industry see tables 56 and 52, footnote 1.
² All had dipper capacities of less than 3 cubic yards.
³ Driven by internal-combustion engine and with bucket capacity of less than 3 cubic yards.
⁴ Driven by electric hoist rated at 10 to 25 horsepower.
⁵ One tractor-drawn scraper driven by internal-combustion engine.

TABLE 59.—SELECTED STATISTICS FOR INCORPORATED AND FOR UNINCORPORATED OPERATING COMPANIES ENGAGED IN ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

(For producing operations only)

STATE	Number of operating companies	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED			Wages	Salaries	
						Total	Wage earners (average for the year)	Salaried employees			Proprietors and firm members
United States, total	141	163	12	960,122	\$5,846,115	2,559	2,317	152	90	\$2,375,256	\$303,024
Incorporated	78	97	12	775,228	4,632,882	1,800	1,669	131	90	1,791,574	321,462
Unincorporated	63	66	—	186,894	1,213,233	759	648	21	—	583,682	42,462
California, total	7	7	—	6,451	87,616	28	14	1	13	16,804	68
Incorporated	3	3	—	2,196	43,341	12	11	1	—	13,196	68
Unincorporated	4	4	—	4,255	24,275	16	3	—	13	3,608	—
Connecticut, total	4	4	—	51,069	111,828	69	64	3	2	76,497	7,909
Incorporated	1	1	—	—	—	—	—	—	—	—	—
Unincorporated	3	3	—	51,069	111,828	69	64	3	2	76,497	7,909
Georgia and South Carolina, total	13	16	1	128,591	612,963	402	388	9	5	269,745	21,150
Incorporated	4	5	1	63,807	244,975	148	140	8	—	89,333	20,321
Unincorporated	9	11	—	64,784	367,988	254	248	1	5	180,412	872
Maine, total	8	8	—	59,618	381,511	202	180	18	4	216,589	40,419
Incorporated	7	7	—	—	—	—	—	—	—	—	—
Unincorporated	1	1	—	59,618	381,511	202	180	18	4	216,589	40,419
Massachusetts, total	16	17	3	171,695	656,471	210	185	18	7	198,879	56,214
Incorporated	10	11	3	161,146	595,754	162	147	15	—	170,089	52,014
Unincorporated	6	6	—	10,749	60,717	48	38	3	7	28,790	4,200
Minnesota, total	21	30	2	43,150	437,768	206	173	13	20	185,424	4,419
Incorporated	10	19	2	36,691	347,911	144	131	13	—	142,999	4,419
Unincorporated	11	11	—	6,459	89,857	62	42	—	20	42,425	—
New Hampshire, total	8	8	2	81,749	158,133	97	88	4	5	89,064	3,933
Incorporated	5	5	2	77,604	139,975	79	75	4	—	78,670	3,933
Unincorporated	3	3	—	4,145	18,158	18	13	—	5	10,394	—
North Carolina, total	7	7	1	66,959	289,331	151	140	8	3	91,417	19,300
Incorporated	5	5	1	65,622	244,310	140	132	8	—	89,339	19,300
Unincorporated	2	2	—	1,337	45,021	11	8	—	3	2,078	—
Pennsylvania, total	10	10	—	53,641	116,848	84	74	3	7	65,604	4,522
Incorporated	4	4	—	9,037	51,897	34	32	2	—	28,387	3,232
Unincorporated	6	6	—	44,604	64,951	50	42	1	7	37,217	1,300
Rhode Island, total	4	4	1	38,176	198,463	87	73	11	3	92,145	25,437
Incorporated	3	3	1	—	—	—	—	—	—	—	—
Unincorporated	1	1	—	38,176	198,463	87	73	11	3	92,145	25,437
South Dakota, total	6	6	—	16,703	190,840	80	75	3	2	84,712	4,700
Incorporated	5	5	—	—	—	—	—	—	—	—	—
Unincorporated	1	1	—	16,703	190,840	80	75	3	2	84,712	4,700
Texas, total	7	7	—	4,237	31,620	33	25	2	6	13,739	2,000
Incorporated	2	2	—	—	—	—	—	—	—	—	—
Unincorporated	5	5	—	4,237	31,620	33	25	2	6	13,739	2,000
Vermont, total	9	10	1	112,970	2,030,773	618	584	34	—	747,394	115,899
Incorporated	7	8	1	—	—	—	—	—	—	—	—
Unincorporated	2	2	—	112,970	2,030,773	618	584	34	—	747,394	115,899
Wisconsin, total	11	11	1	22,359	304,693	120	110	9	1	103,918	33,865
Incorporated	10	10	1	—	—	—	—	—	—	—	—
Unincorporated	1	1	—	22,359	304,693	120	110	9	1	103,918	33,865
Other States, total	17	18	—	102,554	257,257	172	144	16	12	121,325	24,225
Incorporated	8	9	—	76,990	145,772	92	78	14	—	60,096	21,495
Unincorporated	9	9	—	25,564	111,485	80	66	2	12	61,229	2,730

¹ For definition of the industry see tables 36 and 52, footnote 1.

TABLE 60.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY VALUE OF PRODUCTS AND BY STATE: 1939¹

(For producing operations only)

STATE AND VALUE OF PRODUCTS	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	163	12	960,122	\$5,848,115	2,559	2,317	152	90	49	\$2,373,258	\$363,924
\$1 - \$19,999	99	1	129,458	800,942	590	480	33	77	46	392,183	29,819
\$20,000 - \$49,999	44	7	343,724	1,398,886	651	599	45	9	3	594,897	61,751
\$50,000 - \$99,999	8	1	133,554	564,766	341	326	11	4	---	278,088	28,764
\$100,000 - \$249,999	6	1	152,871	632,742	340	310	30	---	---	317,269	86,939
\$250,000 - \$499,999	4	2	---	---	---	602	35	---	---	791,019	136,651
\$500,000 - \$999,999	2	---	200,535	2,248,779	637	---	---	---	---	---	---
Georgia and South Carolina, total	16	1	128,591	612,963	402	388	9	5	---	269,745	21,136
\$1 - \$19,999	6	---	6,908	43,008	55	50	1	4	---	26,704	875
\$20,000 - \$49,999	4	1	35,121	119,561	59	56	2	1	---	49,229	3,325
\$50,000 - \$99,999	5	---	86,562	450,394	288	282	6	---	---	193,812	16,936
\$100,000 - \$249,999	1	---	---	---	---	---	---	---	---	---	---
Maine, total	8	---	59,618	381,511	202	180	18	4	---	216,589	40,419
\$1 - \$19,999	3	---	11,243	38,950	24	21	3	---	---	20,406	2,628
\$20,000 - \$49,999	3	---	---	---	---	---	---	---	---	---	---
\$50,000 - \$99,999	1	---	48,375	342,561	178	159	15	4	---	196,183	37,591
\$100,000 - \$249,999	1	---	---	---	---	---	---	---	---	---	---
Massachusetts, total	17	3	171,895	656,471	210	185	18	7	2	198,879	56,214
\$1 - \$19,999	9	1	8,264	66,394	52	42	4	6	1	37,893	5,063
\$20,000 - \$49,999	6	1	---	---	---	---	---	---	---	---	---
\$50,000 - \$99,999	1	---	163,631	590,077	158	145	14	1	1	160,986	51,151
\$100,000 - \$499,999	1	1	---	---	---	---	---	---	---	---	---
\$500,000 - \$999,999	1	---	---	---	---	---	---	---	---	---	---
New Hampshire, total	8	2	81,749	158,133	97	88	4	5	5	89,064	3,903
\$1 - \$19,999	4	---	4,561	21,618	20	15	---	5	5	12,479	---
\$20,000 - \$49,999	4	2	77,158	136,515	77	73	4	---	---	76,585	3,903
North Carolina, total	7	1	66,959	289,331	151	140	8	3	3	91,417	19,300
\$1 - \$19,999	3	---	9,227	21,610	21	19	---	2	2	8,818	---
\$20,000 - \$49,999	3	1	---	---	---	---	---	---	---	---	---
\$100,000 - \$249,999	1	---	57,732	267,721	130	121	8	1	1	82,599	19,300
Texas, total	7	---	4,237	31,620	33	25	2	6	4	13,739	2,000
\$1 - \$19,999	7	---	4,237	31,620	33	25	2	6	4	13,739	2,000
Vermont, total	10	1	112,970	2,030,773	618	584	34	---	---	747,594	115,699
\$1 - \$19,999	4	---	2,377	44,029	17	16	1	---	---	10,761	700
\$20,000 - \$49,999	1	---	---	---	---	---	---	---	---	---	---
\$250,000 - \$499,999	3	1	110,683	1,986,744	601	568	33	---	---	736,633	115,199
\$500,000 - \$999,999	2	---	---	---	---	---	---	---	---	---	---
Wisconsin, total	11	1	22,359	304,693	120	110	9	1	---	103,918	33,865
\$1 - \$19,999	5	---	4,566	55,469	38	37	1	---	---	35,524	1,525
\$20,000 - \$49,999	5	1	17,793	249,224	82	73	8	1	---	68,394	32,340
\$100,000 - \$249,999	1	---	---	---	---	---	---	---	---	---	---
Other States, total	79	3	311,744	1,380,620	726	617	50	59	35	642,511	71,188
\$1 - \$19,999	58	---	78,045	478,244	330	255	21	54	34	225,859	16,828
\$20,000 - \$49,999	18	1	141,182	598,540	287	243	19	5	1	265,558	27,515
\$50,000 - \$99,999	2	1	92,517	303,836	129	119	10	---	---	151,094	26,845
\$100,000 - \$249,999	1	1	---	---	---	---	---	---	---	---	---

¹ For definition of the industry see tables 36 and 52, footnote 1. Reports classified by value of products represent a single quarry, or a single quarry and a single preparation plant reported together.

MINERAL INDUSTRIES

TABLE 61.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹

(For producing operations only)

STATE AND TONS OF GRANITE (tons of 2,000 pounds)	Number of quarries	Number of prepa- ration plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	163	12	980,122	\$5,846,115	2,559	2,317	152	90	49	\$2,373,256	\$383,924
1 - 249	14	-----	1,848	45,793	58	39	2	17	12	29,706	2,900
250 - 499	24	-----	8,738	159,872	96	73	3	20	14	56,197	4,630
500 - 999	28	1	19,850	276,114	194	162	11	21	9	142,795	5,465
1,000 - 1,999	25	-----	36,378	465,617	224	196	16	12	5	179,625	13,919
2,000 - 2,999	19	3	47,418	452,256	203	179	16	8	7	166,667	49,215
3,000 - 4,999	13	-----	51,704	319,338	162	149	11	3	1	140,166	20,199
5,000 - 9,999	16	2	120,488	803,690	349	324	19	6	1	342,451	47,029
10,000 - 24,999	13	3	210,839	938,980	481	464	14	3	-----	435,404	29,106
25,000 - 49,999	8	2	259,459	1,874,622	622	582	40	-----	-----	740,091	125,223
50,000 and over	3	1	203,400	509,633	170	150	20	-----	-----	145,124	68,337
California, total	7	-----	6,451	67,616	28	14	1	13	11	16,804	69
1 - 249	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250 - 499	2	-----	951	20,152	11	5	-----	6	6	6,393	-----
500 - 999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	1	-----	5,500	47,464	17	9	1	7	5	10,411	69
2,000 - 2,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Georgia and South Carolina, total	16	1	128,591	612,963	402	388	9	5	-----	269,745	21,136
250 - 499	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
500 - 999	2	-----	1,900	16,101	23	19	-----	4	-----	11,375	-----
2,000 - 2,999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3,000 - 4,999	2	-----	13,549	83,064	62	60	1	1	-----	38,841	875
5,000 - 9,999	3	-----	24,739	175,693	73	70	3	-----	-----	59,654	8,140
10,000 - 24,999	5	1	88,403	359,105	244	239	5	-----	-----	159,875	12,121
Maine, total	8	-----	59,618	381,511	202	180	18	4	-----	216,589	40,419
500 - 999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2,000 - 2,999	2	-----	5,743	46,950	20	18	2	-----	-----	20,087	4,290
3,000 - 4,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999	3	-----	53,875	334,561	182	162	16	4	-----	196,502	36,129
25,000 - 49,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Massachusetts, total	17	3	171,695	656,471	210	185	18	7	2	196,879	56,214
1 - 249	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
500 - 999	6	-----	4,575	47,340	39	32	2	5	1	25,438	1,945
1,000 - 1,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2,000 - 2,999	2	2	6,365	42,754	22	18	3	1	-----	18,213	7,860
3,000 - 4,999	3	-----	12,555	123,882	62	55	7	-----	-----	56,102	17,894
5,000 - 9,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
10,000 - 24,999	1	-----	148,400	442,495	87	80	6	1	1	99,128	28,717
25,000 - 49,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
50,000 and over	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Minnesota, total	30	2	43,150	437,768	206	173	13	20	11	165,424	4,416
1 - 249	4	-----	494	11,226	13	8	-----	5	3	5,633	-----
250 - 499	5	-----	1,714	25,966	12	8	-----	4	3	7,677	-----
500 - 999	11	-----	7,581	119,092	81	67	5	9	5	64,357	387
1,000 - 1,999	6	-----	8,065	85,807	54	44	8	2	-----	44,946	4,031
2,000 - 2,999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3,000 - 4,999	1	-----	25,276	195,655	46	46	-----	-----	-----	62,611	-----
5,000 - 9,999	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
10,000 - 24,999	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Hampshire, total	8	2	81,749	158,133	97	88	4	5	5	89,064	3,803
250 - 499	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	2	-----	3,806	43,078	20	15	2	3	3	14,710	1,375
2,000 - 2,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
10,000 - 24,999	1	1	77,943	115,055	77	75	2	2	2	74,354	2,526
25,000 - 49,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
50,000 and over	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
North Carolina, total	7	1	66,959	289,331	151	140	8	3	3	91,417	19,300
1 - 249	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
500 - 999	1	1	3,921	89,802	48	44	1	3	3	28,699	1,000
1,000 - 1,999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3,000 - 4,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999	1	-----	63,038	199,429	103	96	7	-----	-----	62,718	19,300
50,000 and over	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pennsylvania, total	10	-----	53,641	116,848	84	74	3	7	2	65,604	4,532
250 - 499	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
500 - 999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	2	-----	6,601	50,185	39	35	1	3	2	27,515	832
2,000 - 2,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3,000 - 4,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5,000 - 9,999	2	-----	47,040	66,663	45	39	2	4	-----	38,099	3,700
10,000 - 24,999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Texas, total	7	-----	4,237	31,620	33	25	2	6	4	13,759	2,000
1 - 249	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250 - 499	3	-----	1,255	17,320	18	15	-----	3	2	8,520	-----
500 - 999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	2	-----	2,982	14,300	15	10	2	3	2	5,219	2,000

¹ For definition of the industry see tables 36 and 52, footnote 1.

GRANITE

TABLE 61.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹—Continued
(For producing operations only)

STATE AND TONS OF GRANITE (tons of 2,000 pounds)	Number of quarries	Number of prepa- ration plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
Vermont, total	10	1	112,970	\$2,030,775	618	584	34	-----	-----	\$747,594	\$115,899
250 - 499	3	-----	1,275	26,405	12	11	1	-----	-----	7,551	700
1,000 - 1,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3,000 - 4,999	1	-----	31,586	607,172	224	219	5	-----	-----	277,463	16,090
5,000 - 9,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
10,000 - 24,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
25,000 - 49,999	3	1	80,109	1,597,196	382	354	28	-----	-----	462,080	99,109
Wisconsin, total	11	1	22,359	304,693	120	110	9	1	-----	103,918	33,865
1 - 249	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
250 - 499	1	-----	949	20,562	20	19	1	-----	-----	15,592	1,525
500 - 999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	3	-----	5,001	74,457	34	33	-----	1	-----	33,017	-----
2,000 - 2,999	4	1	16,409	209,674	66	58	-----	8	-----	55,309	32,340
5,000 - 9,999	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States, total	32	1	208,502	758,388	408	356	33	19	11	374,679	62,170
1 - 249	5	-----	470	11,905	16	8	2	6	3	7,519	2,800
250 - 499	5	-----	3,238	75,720	39	28	2	9	5	27,023	3,930
500 - 999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1,000 - 1,999	5	-----	8,826	125,785	55	52	3	-----	-----	46,874	5,680
2,000 - 2,999	4	-----	9,910	85,470	52	46	4	2	2	42,732	5,890
3,000 - 4,999	4	-----	15,578	75,169	37	34	1	2	1	37,492	580
5,000 - 9,999	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
10,000 - 24,999	2	-----	49,573	130,188	66	58	8	-----	-----	66,879	9,080
25,000 - 49,999	3	1	121,107	256,151	143	130	13	-----	-----	146,160	34,210

¹ For definition of the industry see tables 36 and 52, footnote 1. Reports classified by quantity of granite produced represent a single quarry or a single quarry and a single preparation plant reported together.

MINERAL INDUSTRIES

TABLE 62.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF WAGE EARNERS AND BY STATE: 1939¹

(For producing operations only)

STATE AND NUMBER OF WAGE EARNERS	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	163	12	960,122	\$5,846,115	2,559	2,317	152	90	49	\$2,373,256	\$363,924
None	2	1	55,901	425,149	6	-----	-----	6	6	-----	-----
1 - 5	65	5	-----	-----	266	199	19	48	28	166,045	16,820
6 - 20	70	5	309,222	1,742,359	820	741	55	24	8	695,453	104,005
21 - 50	12	4	296,472	956,185	410	381	25	4	-----	378,608	77,721
51 - 100	8	1	214,461	1,280,792	614	586	28	-----	-----	600,337	82,633
101 - 250	3	-----	73,020	1,394,017	394	379	15	-----	-----	499,039	55,159
Unclassified	5	1	11,046	47,633	49	51	10	8	7	53,794	27,588
Georgia and South Carolina, total	16	1	128,591	612,963	402	398	9	5	-----	269,745	21,156
1 - 5	3	-----	-----	-----	114	106	3	5	-----	75,935	4,200
6 - 20	7	1	42,029	162,569	-----	-----	-----	-----	-----	-----	-----
21 - 50	3	-----	34,817	206,785	100	96	4	-----	-----	62,645	9,960
51 - 100	3	-----	51,745	243,609	188	186	2	-----	-----	131,187	6,976
Massachusetts, total	17	3	171,895	656,471	210	185	18	7	2	198,879	56,214
1 - 5	5	1	5,204	23,532	21	16	2	3	1	13,153	3,120
6 - 20	10	1	166,691	633,139	189	169	16	4	1	185,726	53,094
21 - 50	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Minnesota, total	30	2	43,150	437,768	206	173	13	20	11	185,424	4,418
1 - 5	16	-----	8,645	117,012	69	50	6	13	6	51,203	2,292
6 - 20	12	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
21 - 50	1	1	34,505	320,756	137	123	7	7	5	134,221	2,128
Unclassified	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Hampshire, total	8	2	81,749	158,133	97	88	4	5	5	89,064	3,903
1 - 5	4	-----	4,181	41,000	19	13	2	4	4	12,092	1,375
6 - 20	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
21 - 50	1	-----	77,568	117,133	78	75	2	1	1	76,972	2,528
Unclassified	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pennsylvania, total	10	-----	53,641	116,848	84	74	3	7	2	65,604	4,532
1 - 5	3	-----	5,288	16,105	12	10	-----	2	2	7,161	-----
6 - 20	7	-----	48,353	100,743	72	64	3	5	-----	58,443	4,532
Texas, total	7	-----	4,237	31,620	33	25	2	6	4	13,739	2,000
1 - 5	7	-----	4,237	31,620	33	25	2	6	4	13,739	2,000
Vermont, total	10	1	112,970	2,030,773	618	584	34	-----	-----	747,394	115,899
1 - 5	4	-----	2,377	44,029	17	16	1	-----	-----	10,761	700
6 - 20	1	-----	37,573	592,727	197	189	8	-----	-----	237,594	32,452
51 - 100	2	1	73,020	1,394,017	404	379	25	-----	-----	499,039	82,747
101 - 250	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States, total	65	3	363,889	1,801,539	909	800	69	40	25	803,407	155,822
None	2	-----	24,569	140,055	86	56	6	24	17	50,355	7,353
1 - 5	21	-----	114,992	888,956	384	349	29	6	3	332,208	67,882
6 - 20	31	1	223,516	761,850	430	392	34	4	-----	418,222	80,627
21 - 50	5	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
51 - 100	3	-----	812	10,678	9	3	-----	6	5	2,644	-----
Unclassified	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ For definition of the industry see tables 36 and 52, footnote 1. Reports classified by average number of wage earners employed during the year represent a single quarry, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports for which number of wage earners, by month, was not adequately reported.

TABLE 63.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK AND BY STATE: 1939¹

(For producing operations only)

STATE AND HOURS PER WEEK	Number of quarries	Number of preparation plants	Production of granites (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	163	12	960,122	\$5,846,115	2,559	2,317	152	90	49	\$2,378,256	\$363,924
1 - 34	3	-----	8,426	51,210	25	23	2	-----	-----	18,328	4,443
35 - 39	6	-----	75,331	1,414,389	413	393	20	-----	-----	510,104	56,125
40 - 42	1	-----	515,260	2,888,983	1,236	1,107	90	39	18	1,150,627	218,855
43 - 44	15	2	93,576	626,533	292	285	3	4	-----	247,495	5,300
45 - 47	19	1	75,646	335,844	204	184	11	9	5	169,451	20,165
48 - 54	1	-----	28,426	112,616	69	58	2	9	6	56,670	7,890
54 - 59	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	32	2	163,457	416,538	320	287	24	29	20	220,581	51,146
California, total	7	-----	6,451	67,616	28	14	1	13	11	16,804	68
40 - 44	4	-----	3,646	52,341	18	13	1	4	2	15,696	68
Unclassified	2	-----	2,805	15,275	10	1	-----	9	9	1,108	-----
Georgia and South Carolina, total	16	1	123,591	612,963	402	398	9	5	-----	269,745	21,136
40 - 42	7	-----	28,548	156,745	98	95	1	2	-----	69,761	375
43 - 44	3	-----	52,166	248,046	179	178	1	-----	-----	117,632	1,820
45 - 47	3	1	30,987	140,826	56	50	5	1	-----	41,861	11,465
Unclassified	3	-----	18,892	67,346	69	65	2	2	-----	40,491	6,976
Minnesota, total	30	2	43,150	437,768	206	173	13	20	11	185,424	4,418
1 - 34	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
35 - 40	1	-----	11,788	159,260	104	83	13	8	5	80,295	4,418
41 - 42	15	-----	27,064	212,034	56	54	-----	2	-----	70,845	-----
43 - 44	6	2	2,145	26,664	21	21	-----	-----	-----	19,784	-----
45 - 47	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48 - 54	1	-----	2,153	37,810	25	15	-----	10	6	14,500	-----
Unclassified	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pennsylvania, total	10	-----	53,641	116,848	84	74	3	7	2	65,604	4,532
40 - 44	5	-----	19,093	63,128	42	39	2	1	-----	31,634	3,232
45 - 47	2	-----	34,543	56,720	42	35	1	6	2	33,920	1,300
Unclassified	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48 - 54	2	-----	4,237	31,620	33	25	2	6	4	13,739	2,000
Texas, total	3	-----	2,301	13,650	17	12	1	4	2	5,534	800
40 - 44	1	-----	1,936	17,970	16	13	1	2	2	8,205	1,200
Unclassified	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Vermont, total	10	-----	112,970	2,030,773	618	584	34	-----	-----	747,394	115,899
35 - 40	5	-----	73,845	1,402,422	400	385	15	-----	-----	503,390	55,159
41 - 42	5	1	39,125	628,351	218	199	19	-----	-----	244,004	60,740
Unclassified	11	-----	22,359	304,693	120	110	9	1	-----	103,918	33,865
Wisconsin, total	11	-----	17,971	243,899	76	69	7	-----	-----	64,039	30,260
1 - 34	5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
40 - 42	1	-----	4,388	60,794	44	41	2	1	-----	39,879	3,605
43 - 44	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unclassified	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other States, total	72	7	588,723	2,243,834	1,068	949	81	38	21	970,628	182,006
1 - 34	1	-----	406,907	1,656,278	720	636	64	20	9	675,660	151,459
35 - 39	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
40 - 42	36	6	40,107	262,081	125	115	6	4	2	118,608	9,680
43 - 44	6	-----	8,317	59,777	36	31	2	3	2	27,198	7,890
48 - 54	3	-----	133,392	265,698	187	167	9	11	8	149,162	12,977
Unclassified	18	1	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ For definition of the industry see tables 36 and 52, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent reports on which number of hours was not reported and reports on which no wage earners were reported.

MINERAL INDUSTRIES

TABLE 64.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF DAYS ACTIVE DURING THE YEAR: 1939¹

(For producing operations only)

NUMBER OF DAYS ACTIVE DURING YEAR	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	163	12	960,122	\$5,846,115	2,559	2,317	152	90	49	\$2,373,258	\$363,924
1 - 49	6	1	19,303	64,812	34	28	4	2	2	24,527	8,356
50 - 99	14	1	21,833	128,027	83	67	5	11	6	65,428	10,420
100 - 149	17	1	67,923	235,447	130	103	18	9	5	87,980	28,116
150 - 199	20	1	49,587	345,288	148	127	8	13	5	111,369	15,146
200 - 224	21	2	73,871	627,022	139	293	14	12	7	277,371	22,995
225 - 249	55	3	350,166	2,665,042	953	882	49	22	9	996,327	137,616
250 - 274	31	4	260,432	1,346,228	610	563	36	11	6	590,331	95,139
275 - 299	10	1	27,883	174,331	140	132	2	6	6	100,467	6,976
300 - 324	4	1	19,846	160,497	59	54	4	1	1	49,812	9,700
Unclassified	5	1	69,478	99,321	83	68	12	3	3	69,644	29,460

¹ For definition of the industry see tables 36 and 52, footnote 1. Reports classified by number of days active represent a single quarry, or a single quarry and a single preparation plant reported together; such reports were classified by number of days the quarry was in operation for production or development purposes during the year. Statistics shown for "Unclassified" represent reports on which number of days active was not reported and reports for central offices reported separately from their associated quarries and plants.

TABLE 65.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹

(For producing operations only)

STATE AND TONS OF GRANITE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	163	12	960,122	\$5,846,115	2,559	2,317	152	90	49	\$2,373,258	\$363,924
Less than 0.050	14	1	6,859	154,118	148	133	3	10	2	106,413	3,230
0.050 - 0.099	36	1	47,562	880,874	410	368	31	11	3	375,914	57,855
0.100 - 0.149	31	1	193,369	2,479,797	901	854	34	13	2	945,271	105,451
0.150 - 0.199	8	1	61,032	420,942	205	191	14	1	1	204,140	29,755
0.200 - 0.299	21	3	106,621	538,803	259	237	15	7	4	214,140	28,306
0.300 - 0.399	7	2	50,548	190,913	90	77	12	1	1	85,667	27,288
0.400 - 0.599	6	1	104,257	193,784	122	110	9	3	1	125,986	16,396
0.600 - 0.799	1	1	157,808	474,066	88	78	10	1	1	95,011	33,222
0.800 - 0.999	1	1	45,519	33,305	20	18	1	2	1	16,201	1,955
1.000 - 1.499	5	3	157,808	474,066	88	78	10	1	1	95,011	33,222
1.500 and over	3	1	45,519	33,305	20	18	1	2	1	16,201	1,955
Unclassified	30	1	186,547	479,513	318	251	24	43	37	204,535	62,425
Georgia and South Carolina, total	16	1	128,591	612,963	402	368	9	5	1	269,745	21,136
Less than 0.050	2	1	4,707	23,501	42	38	1	4	1	16,192	1,955
0.050 - 0.099	3	1	51,311	329,399	196	192	3	1	1	144,764	8,140
0.100 - 0.149	5	1	72,573	260,063	164	158	6	1	1	108,789	12,996
0.150 - 0.199	2	1	59,618	381,511	202	180	18	4	1	216,589	40,419
0.200 - 0.299	1	1	37,743	261,761	158	141	13	4	1	176,535	26,457
0.300 - 0.399	2	1	21,875	99,750	44	39	5	1	1	40,054	13,982
0.400 - 0.599	1	1	171,895	656,471	210	185	18	7	2	198,879	58,214
Unclassified	1	1	11,560	128,939	76	69	4	3	1	69,164	9,833
Massachusetts, total	17	3	171,895	656,471	210	185	18	7	2	198,879	58,214
Less than 0.050	1	1	14,022	95,114	49	38	9	2	1	30,576	18,744
0.050 - 0.099	4	1	113,477	402,162	66	61	5	1	1	81,747	27,857
0.100 - 0.149	1	1	32,836	30,256	19	17	1	2	1	17,392	1,955
0.150 - 0.199	2	2	2,067	36,078	35	33	1	2	1	27,558	1,955
0.200 - 0.299	4	2	8,381	85,054	57	44	11	2	1	46,073	1,955
0.300 - 0.399	5	2	4,431	50,703	28	21	1	6	1	23,045	580
0.400 - 0.599	2	2	27,062	215,782	54	53	1	1	1	68,042	1,905
Unclassified	4	2	3,209	50,151	32	22	1	10	10	20,726	1,905
Minnesota, total	30	2	43,150	437,768	206	173	13	20	11	185,424	4,418
Less than 0.050	4	1	2,067	36,078	35	33	1	2	1	27,558	1,955
0.050 - 0.099	8	1	8,381	85,054	57	44	11	2	1	46,073	1,955
0.100 - 0.149	5	2	4,431	50,703	28	21	1	6	1	23,045	580
0.150 - 0.199	2	2	27,062	215,782	54	53	1	1	1	68,042	1,905
0.200 - 0.299	4	2	3,209	50,151	32	22	1	10	10	20,726	1,905
Unclassified	7	1	11,560	128,939	76	69	4	3	1	69,164	9,833

¹ For definition of the industry see tables 36 and 52, footnote 1. Reports classified by output per man-hour represent a single quarry, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which figures were not adequately reported for classification and reports for central offices reported separately from their associated quarries and plants.

TABLE 65.—SELECTED STATISTICS FOR ROUGH-DIMENSION GRANITE OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹—Continued
(For producing operations only)

STATE AND TONS OF GRANITE PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries	Number of preparation plants	Production of granite (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
Pennsylvania, total	10		53,641	\$118,948	84	74	3	7	2	\$65,604	\$4,532
0.050 - 0.099	2										
0.100 - 0.149	1		6,218	45,860	34	32	1	1		25,879	832
0.300 - 0.399	1										
0.400 - 0.599	3		32,824	55,652	34	29	2	3		32,027	3,700
0.800 - 0.999	1										
1.500 and over	1		14,599	19,336	13	13		3	2	7,898	
Unclassified	1										
South Dakota, total	6		13,703	190,840	80	75	3	2		84,712	4,700
0.050 - 0.099	3										
0.100 - 0.149	1		4,414	94,180	35	31	2	2		35,579	4,120
0.200 - 0.299	1										
Unclassified	1		12,289	96,660	45	44	1			49,133	580
Texas, total	7		4,237	31,620	33	25	2	6	4	13,739	2,000
Less than 0.050	1										
0.050 - 0.099	3		1,465	19,720	20	17		3	2	10,747	
0.200 - 0.299	1										
0.300 - 0.399	1										
Unclassified	1		2,772	11,900	13	8	2	3	2	2,992	2,000
Vermont, total	10	1	112,970	2,030,773	618	584	34			747,394	115,899
Less than 0.050	1										
0.050 - 0.099	2		8,958	307,412	103	100	3			126,741	7,950
0.100 - 0.149	6	1									
0.150 - 0.199	1		104,032	1,723,361	515	484	31			620,653	107,949
Wisconsin, total	11	1	22,359	304,693	120	110	9	1		103,918	33,885
Less than 0.050	2										
0.050 - 0.099	5	1	6,155	180,215	81	73	7	1		70,277	28,245
0.100 - 0.149	3										
1.000 - 1.499	1		14,204	124,478	39	37	2			33,641	5,620
Other States, total	48	4	346,958	1,082,628	604	523	43	38	30	487,252	80,741
Less than 0.050	3	1	1,341	57,118	51	46	2	3	1	35,670	2,550
0.050 - 0.099	5		6,238	97,274	44	40	3	1	1	44,006	5,100
0.100 - 0.149	8		9,777	135,530	56	50	4	2	2	35,809	6,250
0.150 - 0.199	1										
0.200 - 0.299	7		30,522	126,564	75	68	4	3	2	64,156	2,643
0.300 - 0.399	3	2	43,231	171,650	71	62	9			73,155	22,968
0.400 - 0.599	2										
0.600 - 0.799	1										
1.000 - 1.499	1		85,278	147,952	89	79	9	1	1	89,422	13,288
1.500 and over	1										
Unclassified	13	1	170,571	346,540	218	178	12	28	23	145,034	27,962

¹ For definition of the industry see tables 36 and 52, footnote 1. Reports classified by output per man-hour represent a single quarry, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which figures were not adequately reported for classification and reports for central offices reported separately from their associated quarries and plants.

MINERAL INDUSTRIES

TABLE 67.—SUMMARY STATISTICS FOR THE BASALT INDUSTRY IN THE UNITED STATES, BY STATE: 1939, 1929, AND 1919¹

(For producing operations only)

STATE AND CENSUS YEAR	Number of quarries and mines	Number of wage earners (average for the year)	Number of salaries employees	Production of basalt (tons of 2,000 pounds)	Value of all products	PRINCIPAL EXPENSES DESIGNATED BELOW					Aggregate horsepower rating of power equipment
						Total	Wages	Salaries	Supplies and materials, fuel, and purchased electric energy	Contract work	
UNITED STATES											
1939	120	1,910	278	9,822,020	\$9,658,219	\$5,415,618	\$2,465,094	\$651,293	\$2,267,317	\$31,914	96,713
1929	144	3,055	² 374	12,447,000	15,543,687	23,879,784	4,498,093	² 1,108,257	3,241,483	31,951	65,681
1919	174	3,336	378	7,745,000	9,657,977	7,534,817	3,991,307	751,247	2,750,657	41,408	37,307
CALIFORNIA											
1939	11	144	15	673,903	663,130	354,699	188,133	30,624	155,942	-----	6,130
1929	17	221	31	986,000	1,015,909	713,445	319,995	85,089	306,264	2,099	5,483
1919	17	262	25	1,399,000	635,588	568,935	334,460	55,943	178,532	-----	4,792
CONNECTICUT											
1939	18	322	32	1,778,841	1,733,571	936,814	384,013	93,700	458,715	396	16,529
1929	19	420	61	2,515,000	2,924,085	2,211,114	722,983	187,074	300,607	450	7,470
1919	22	363	51	1,204,000	1,262,579	882,037	450,960	92,512	319,228	19,337	6,254
MARYLAND											
1939	6	105	13	233,714	280,912	192,648	86,144	24,356	76,574	5,574	2,699
1929	7	232	12	449,000	599,034	428,023	245,106	20,111	162,606	-----	5,047
1919	10	183	13	343,000	369,075	332,317	186,210	24,155	121,952	-----	1,285
MASSACHUSETTS											
1939	12	244	42	1,575,157	1,375,577	752,499	383,876	125,046	243,307	270	15,990
1929	16	366	24	1,921,000	2,191,366	1,207,318	618,783	75,542	499,131	13,862	8,550
1919	23	547	50	868,000	1,548,611	1,180,211	719,596	135,405	336,210	-----	4,721
NEW JERSEY											
1939	17	445	63	2,255,413	2,481,181	1,475,551	642,947	197,723	619,027	15,954	16,526
1929	27	683	104	2,468,000	3,580,184	2,181,004	1,104,636	312,017	764,351	-----	14,510
1919	36	837	76	1,195,000	1,928,025	1,489,667	759,006	130,475	580,624	19,562	6,340
OREGON											
1939 ³	22	98	21	482,074	404,065	182,099	104,971	13,582	63,096	450	4,801
1929	10	83	17	307,000	309,766	212,908	106,359	24,147	75,820	6,582	1,699
1919	9	124	15	487,000	294,812	341,366	189,123	25,417	126,826	-----	1,285
PENNSYLVANIA											
1939 ³	10	195	29	877,913	803,219	493,175	204,522	51,483	230,499	6,671	14,250
1929	22	566	48	1,608,000	2,236,438	1,374,368	716,609	111,135	540,266	6,358	12,188
1919	32	721	88	1,134,000	2,298,791	1,741,952	792,657	164,970	781,838	2,507	6,058
WASHINGTON											
1939	9	94	9	440,824	378,316	235,432	124,676	18,231	92,525	-----	4,667
1929	8	94	11	331,000	311,867	206,668	115,226	28,740	62,702	-----	1,520
1919	10	99	11	211,000	240,742	183,048	102,382	18,739	61,927	-----	1,020
OTHER STATES											
1939 ³	15	263	34	1,504,181	1,538,248	792,701	345,812	96,548	347,632	2,708	15,132
1929	18	388	27	1,962,000	2,375,038	1,145,802	548,398	65,266	529,556	2,600	9,415
1919	15	400	49	904,000	1,079,754	805,284	456,933	103,631	244,720	-----	5,552

¹ For definition of the industry and for explanations regarding the extent of comparability of statistics for 1939, 1929, and 1919 see table 66, footnote 1.² Includes statistics for 39 salaried employees paid \$199,134 reported for central administrative offices for which statistics by State are not available.³ Statistics for rough-dimension basalt operations in Oregon, Pennsylvania, and Virginia accounting for a total value of products of \$25,914 in 1939 are included in figures shown for "Other States" to avoid disclosure of confidential information.

BASALT

547

TABLE 68.—PRINCIPAL STATISTICS FOR CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

(For producing operations only)

ITEM	United States	California	Connecticut	Maryland	Massachusetts	New Jersey	New York	Oregon	Pennsylvania	Washington	Other States ²
Number of operating companies-----	3 97	11	13	4	10	17	3	16	9	9	7
Number of quarries ⁴ -----	116	11	18	6	12	17	3	22	10	9	8
Number of preparation plants (crushing, screening, washing, and storage)-----	115	11	18	6	12	17	3	21	10	9	8
Number of persons engaged, total-----	2,198	164	354	118	286	533	158	130	232	108	117
Wage earners (average for the year)-----	1,886	144	322	105	244	445	137	98	195	94	102
Salaried employees-----	278	15	32	13	42	83	19	21	29	9	15
Proprietors and firm members-----	34	5	-----	-----	-----	5	-----	11	8	5	-----
Performing manual labor-----	11	3	-----	-----	-----	1	-----	3	4	-----	-----
Production of basalt: ⁵											
Tons of 2,000 pounds-----	9,801,339	673,903	1,778,841	233,714	1,575,157	2,255,413	1,131,688	482,074	877,913	440,824	351,812
Value at quarries-----	\$9,572,920	\$809,424	\$1,733,571	\$280,912	\$1,375,577	\$2,476,502	\$992,833	\$403,065	\$803,219	\$378,316	\$519,501
Value of all products-----	\$9,632,305	\$863,130	\$1,733,571	\$280,912	\$1,375,577	\$2,481,181	\$992,833	\$404,065	\$803,219	\$378,316	\$519,501
Principal expenses designated below, total-----	\$5,394,779	\$354,699	\$938,814	\$192,648	\$752,499	\$1,475,551	\$504,418	\$182,099	\$493,175	\$235,432	\$267,444
Wages-----	\$2,452,274	\$188,133	\$384,013	\$86,144	\$383,876	\$642,947	\$229,098	\$104,971	\$204,522	\$124,876	\$103,894
Salaries-----	\$651,293	\$30,624	\$93,700	\$24,356	\$125,046	\$197,723	\$65,075	\$13,582	\$51,485	\$18,231	\$33,473
Supplies and materials-----	\$1,343,869	\$86,342	\$236,286	\$44,353	\$101,649	\$352,773	\$115,375	\$59,957	\$130,484	\$59,973	\$96,497
Fuel-----	\$412,843	\$22,602	\$86,027	\$8,928	\$60,895	\$120,378	\$12,945	\$16,547	\$59,584	\$27,997	\$14,442
Purchased electric energy-----	\$502,986	\$26,998	\$88,402	\$23,293	\$80,763	\$115,876	\$31,218	\$4,592	\$80,151	\$4,555	\$19,138
Contract work-----	\$51,914	-----	\$386	\$5,574	\$270	\$15,654	\$2,709	\$450	\$6,071	-----	-----
Cost of buildings, machinery, and equipment erected or installed during year-----	\$521,153	\$90,663	\$92,037	\$56,489	\$58,719	\$136,755	\$13,064	\$15,525	\$23,749	\$11,074	\$21,100
Buildings-----	\$136,879	\$40,485	\$12,312	\$15,595	\$12,514	\$36,247	-----	\$1,300	\$16,326	-----	\$2,100
Machinery and equipment, total-----	\$384,274	\$50,178	\$79,725	\$40,874	\$46,205	\$102,506	\$13,064	\$14,225	\$7,423	\$11,074	\$19,000
Purchased in new condition-----	\$263,729	\$18,927	\$65,287	\$40,174	\$17,276	\$89,256	\$12,164	\$10,050	\$646	\$10,949	\$19,000
Purchased in used condition-----	\$100,545	\$31,251	\$14,438	\$700	\$28,929	\$13,250	\$900	\$4,175	\$6,777	\$125	-----
Total number of man-shifts worked by wage earners-----	466,573	39,541	84,462	24,848	66,037	120,381	38,079	21,643	43,503	22,510	25,589
Total number of man-hours worked by wage earners-----	4,000,900	315,234	715,588	206,857	556,348	979,239	304,652	162,309	352,612	173,529	234,532
Average number of hours worked per shift-----	8.2	8.0	8.5	8.3	8.4	8.1	8.0	7.5	8.1	7.7	9.2
Average hourly earning of wage earners-----	\$0.61	\$0.80	\$0.54	\$0.42	\$0.69	\$0.66	\$0.75	\$0.65	\$0.58	\$0.72	\$0.44
Tons of basalt produced per man-hour-----	2.45	2.14	2.49	1.13	2.83	2.30	3.71	2.97	2.49	2.54	1.50
Average number of equivalent full days operations were active-----	184	214	176	212	208	201	208	102	182	150	168
Horsepower rating of power equipment, total-----	96,211	6,130	16,529	2,698	15,980	16,526	8,564	4,801	14,250	4,867	6,066
Per wage earner-----	51.0	42.8	51.3	25.7	55.5	37.1	62.5	49.0	73.1	49.6	59.5
Stationary equipment-----	53,710	3,766	8,475	1,724	7,770	10,463	5,070	2,757	8,142	1,539	4,004
Mobile equipment-----	42,501	2,364	8,054	974	8,210	6,063	3,494	2,044	6,108	3,128	2,062
Electric energy consumed (thousands of kw.-hrs.), total-----	23,492	1,503	3,795	686	3,738	5,340	4,139	211	2,756	446	878
Purchased-----	22,582	1,503	3,680	686	3,645	5,035	4,139	150	2,756	158	830
Generated by reporting companies-----	910	-----	115	-----	93	305	-----	61	-----	288	48

¹For definition of the industry see table 86, footnote 1. Tables 68 through 82 cover only those operations in the industry that were engaged principally in the production of crushed and broken basalt.

²Rhode Island and Virginia, 2 quarries each; Minnesota, North Carolina, Texas, and Wisconsin, 1 quarry each.

³Two companies had operations in 2 of the designated areas.

⁴Represents open-cut quarries; all except one were operated in conjunction with a preparation plant.

⁵Includes 4,513 short tons of dimension basalt, valued at \$3,797, produced at quarries engaged principally in the production of crushed and broken basalt.

MINERAL INDUSTRIES

TABLE 69.—QUANTITY AND VALUE OF PRODUCTS OF CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT AND BY STATE: 1939¹

(For producing operations only)

ITEM	UNITED STATES		CALIFORNIA		CONNECTICUT		MARYLAND		MASSACHUSETTS	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total-----	(2)	\$9,632,305	(2)	\$663,130	1,778,841	\$1,733,571	233,714	\$280,912	1,575,157	\$1,375,577
All basalt produced, total ³ -----	9,801,539	9,572,920	673,903	609,424	1,778,841	1,733,571	233,714	280,912	1,575,157	1,375,577
Rough-dimension basalt, total-----	4,513	3,797	-----	-----	1,514	2,005	400	400	-----	-----
For use in construction:										
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.	1,178	1,479	-----	-----	530	1,024	-----	-----	-----	-----
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	3,158	2,025	-----	-----	984	981	400	400	-----	-----
For architecture (buildings and other high-class construction work)	177	293	-----	-----	-----	-----	-----	-----	-----	-----
Crushed, broken, and ground basalt, total-----	9,796,826	9,569,123	673,903	609,424	1,777,327	1,731,566	233,314	280,512	1,575,157	1,375,577
Riprap-----	732,052	668,393	182,215	189,783	57,246	50,829	406	396	204,188	125,937
Concrete and road metal-----	8,080,932	7,947,464	367,420	287,144	1,571,365	1,555,765	167,371	219,469	1,134,433	1,043,196
Railroad ballast-----	840,148	793,790	92,917	89,784	147,199	124,224	54,465	54,465	177,557	135,791
Other uses-----	143,694	141,476	51,347	42,733	1,497	748	11,072	6,182	58,979	70,653
Secondary products (miscellaneous materials and sand and gravel)-----	(2)	54,706	(2)	53,706	-----	-----	-----	-----	-----	-----
Receipts for services performed for others-----	(2)	4,679	-----	-----	-----	-----	-----	-----	-----	-----

ITEM	NEW JERSEY		NEW YORK		OREGON		PENNSYLVANIA		WASHINGTON		OTHER STATES ³	
	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value	Tons of 2,000 pounds	Value
All products, total-----	(2)	\$2,461,181	1,131,688	\$992,833	(2)	\$404,065	877,913	\$803,219	440,824	\$378,316	351,812	\$519,501
All basalt produced, total ³ -----	2,255,413	2,476,502	1,131,688	992,833	482,074	403,065	877,913	803,219	440,824	378,316	351,812	519,501
Rough-dimension basalt, total-----	648	455	-----	-----	1,951	937	-----	-----	-----	-----	-----	-----
For use in construction:												
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.	648	455	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Rubble (cellar foundations, retaining walls, and similar low-priced stone)	-----	-----	-----	-----	1,774	644	-----	-----	-----	-----	-----	-----
For architecture (buildings and other high-class construction work)	-----	-----	-----	-----	177	293	-----	-----	-----	-----	-----	-----
Crushed, broken, and ground basalt, total-----	2,254,765	2,476,047	1,131,688	992,833	480,123	402,128	877,913	803,219	440,824	378,316	351,812	519,501
Riprap-----	142,426	166,993	-----	-----	26,748	21,451	4,559	3,806	134,260	127,218	-----	-----
Concrete and road metal-----	1,965,036	2,155,292	1,050,963	895,517	453,375	380,677	717,292	643,501	306,564	251,098	347,093	518,805
Railroad ballast-----	126,504	132,602	80,725	97,316	-----	-----	156,062	155,912	-----	-----	4,719	3,696
Other uses-----	20,799	21,160	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Secondary products (miscellaneous materials and sand and gravel)-----	(2)	4,679	-----	-----	(2)	1,000	-----	-----	-----	-----	-----	-----
Receipts for services performed for others-----	(2)	4,679	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹For definition of the industry see tables 66 and 68, footnote 1.²Not significant.³Represents the sum of "Rough-dimension basalt," and "Crushed, broken, and ground basalt."

TABLE 70.—NUMBER OF WAGE EARNERS AT CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY STATE AND BY MONTH: 1939¹
(For producing operations only)

STATE	Average For the 12 months	NUMBER RECEIVING PAY DURING PAY-ROLL PERIOD ENDING NEAREST THE 15TH OF THE MONTH											
		January	February	March	April	May	June	July	August	September	October	November	December
United States, total	1,886	1,310	1,191	1,468	1,652	2,117	2,267	2,308	2,164	2,152	2,141	1,937	1,731
California	144	121	121	152	152	154	159	139	137	152	153	150	155
Connecticut	322	218	179	247	297	346	370	394	389	395	375	355	299
Maryland	105	66	44	85	107	113	128	133	136	115	119	107	105
Massachusetts	244	205	146	171	200	262	322	322	280	280	275	244	218
New Jersey	445	234	246	285	458	535	522	562	536	514	532	480	439
New York	137	123	116	129	133	152	156	155	114	154	151	132	131
Oregon	98	99	83	81	91	99	98	88	90	114	118	113	107
Pennsylvania	195	170	145	158	177	197	211	209	222	226	229	209	191
Washington	94	69	76	90	141	132	147	131	96	61	64	66	51
Other States	102	7	35	70	96	127	154	173	164	141	125	81	55

¹For definition of the industry see tables 66 and 68, footnote 1.

TABLE 71.—EMPLOYMENT AND WORKING TIME AT CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY DEPARTMENT AND BY STATE: 1939¹

(For producing operations only)

DEPARTMENT	United States	California	Connecticut	Maryland	Massachusetts	New Jersey	New York	Oregon	Pennsylvania	Washington	Other States
Average number of wage earners on active days, total	2,457	175	399	114	304	552	172	213	254	149	145
At quarries, total	1,658	124	271	90	217	391	124	115	161	56	109
Open-cut	1,542	108	265	90	201	384	72	106	151	56	109
Surface shops and yards	116	16	6		16	7	52	9	10		
At preparation plants (crushing, screening, washing, and storage)	799	51	128	24	87	161	48	98	73	93	36
Average number of equivalent full days operations were active	184	214	176	212	208	201	208	102	182	150	168
At quarries, total	192	225	178	210	200	206	218	109	186	203	163
Open-cut	192	225	178	210	201	206	229	114	186	203	163
Surface shops and yards	192	236	203		195	186	203	45	185		
At preparation plants (crushing, screening, washing, and storage)	169	188	171	219	226	190	184	93	172	118	183
Number of man-shifts worked by wage earners, total	486,573	39,541	84,462	34,848	66,037	120,381	38,079	21,643	43,503	22,510	25,569
On active days, total	452,648	37,495	70,103	24,175	65,099	111,040	35,823	21,643	42,514	22,379	24,377
At quarries, total	317,668	27,888	48,265	18,931	43,441	80,505	27,009	12,489	29,974	11,362	17,806
Open-cut	295,452	24,110	47,047	18,931	40,321	79,201	18,488	12,084	28,124	11,362	17,806
Surface shops and yards	22,216	3,778	1,218		3,120	1,304	10,543	405	1,850		
At preparation plants (crushing, screening, washing, and storage)	134,980	9,607	21,840	5,244	19,658	30,535	8,814	9,154	12,540	11,017	6,571
On inactive days	33,925	2,046	14,359	678	2,938	9,341	2,256		989	131	1,192
Number of man-hours worked by wage earners, total	4,000,900	315,234	715,588	206,857	558,348	979,239	304,852	122,309	352,612	173,529	234,532
On active days, total	3,723,104	298,866	599,622	201,473	531,319	902,464	286,586	162,309	344,700	172,481	223,282
At quarries, total	2,620,081	222,069	410,302	157,548	370,675	653,250	218,076	94,823	241,580	89,497	164,271
Open-cut	2,440,215	191,948	399,583	157,548	344,130	642,614	131,733	92,121	226,780	89,487	164,271
Surface shops and yards	179,866	30,121	10,719		26,545	10,636	84,243	2,702	14,800		
At preparation plants (crushing, screening, washing, and storage)	1,103,023	76,797	189,320	43,925	160,644	249,214	70,512	67,486	103,120	82,994	59,011
On inactive days	277,796	16,368	115,966	5,384	25,029	76,775	18,064		7,912	1,048	11,250

¹For definition of the industry see tables 66 and 68, footnote 1.

TABLE 72.—NUMBER OF CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, WORKING ONE, TWO, OR THREE SHIFTS AND NUMBER OF MAN-SHIFTS WORKED, BY SHIFT AND BY STATE: 1939¹

(For producing operations only)

SHIFT	UNITED STATES		California	Connecticut	Maryland	Massachusetts	New Jersey	New York	Oregon	Pennsylvania	Washington	Other States
	Number	Percent of total										
Number of quarries, total	118	100.0	11	18	6	12	17	3	22	10	9	8
Working 1 shift per day	107	92.2	11	18	6	12	17	2	15	10	8	8
Working 2 shifts per day	4	5.5							3		1	
Working 3 shifts per day	5	4.3						1	4			
Number of man-shifts worked by wage earners on active days, total	452,648	100.0	37,495	70,103	24,175	65,099	111,040	35,823	21,643	42,514	22,379	24,377
During first shift	443,892	98.1	37,495	70,103	24,175	65,099	111,040	34,888	17,039	42,514	19,181	24,377
During second shift	6,957	1.5						477	3,282		3,198	
During third shift	1,799	0.4						477	1,322			
At quarries, total	317,668	100.0	27,888	48,265	18,931	43,441	80,505	27,009	12,489	29,974	11,362	17,806
During first shift	314,026	98.9	27,888	48,265	18,931	43,441	80,505	26,055	10,401	29,974	10,782	17,806
During second shift	2,464	0.8						477	1,387		600	
During third shift	1,178	0.3						477	701			
At preparation plants, total	134,980	100.0	9,607	21,840	5,244	19,658	30,535	8,814	9,154	12,540	11,017	6,571
During first shift	129,868	96.2	9,607	21,840	5,244	19,658	30,535	8,814	6,638	12,540	8,419	6,571
During second shift	4,493	3.3							1,895		2,598	
During third shift	621	0.5							621			

¹For definition of the industry see tables 66 and 68, footnote 1.

MINERAL INDUSTRIES

TABLE 73.—QUANTITY OF FUEL AND ELECTRIC ENERGY CONSUMED AT CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

(For producing operations only)

STATE	FUELS ^a				ELECTRIC ENERGY (THOUSANDS OF KILOWATT-HOURS)		
	Anthracite (tons of 2,000 pounds)	Bituminous coal (tons of 2,000 pounds)	Fuel oils (barrels of 42 gallons)	Gasoline and kerosene (gallons)	Total	Purchased	Generated by reporting companies
United States, total-----	3,443	16,218	19,115	1,969,796	23,492	22,582	910
California-----	-----	-----	1,833	132,782	1,503	1,503	-----
Connecticut-----	7	6,631	3,859	272,265	3,795	3,680	115
Maryland-----	197	-----	26	65,365	686	686	-----
Massachusetts-----	-----	583	4,689	318,954	3,738	3,645	93
New Jersey-----	3,235	3,281	2,172	711,846	5,340	5,035	305
New York-----	-----	527	104	86,795	4,139	4,139	-----
Oregon-----	1	-----	1,193	81,752	211	150	61
Pennsylvania-----	3	4,140	1,695	136,658	2,756	2,756	-----
Washington-----	-----	-----	3,067	121,929	446	158	288
Other States-----	-----	1,076	477	41,450	878	830	48

¹For definition of the industry see tables 66 and 68, footnote 1.^aNo natural gas was reported consumed.TABLE 74.—NUMBER AND HORSEPOWER RATING OF PRIME MOVERS AND ELECTRIC MOTORS AT CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY TYPE OF OPERATION AND BY STATE: 1939¹

(For producing operations only)

TYPE OF OPERATION AND STATE	Aggregate horsepower	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY										ELECTRIC MOTORS DRIVEN BY ENERGY GENERATED BY REPORTING COMPANIES	
		Prime movers								Electric motors driven by purchased energy			
		Total		Driving generators		Not driving generators		Ordinarily idle (included in pre- ceding columns)		Number	Horsepower		
United States, total-----	96,211	870	40,162	19	3,644	651	36,518	15	505	1,414	56,049	107	3,924
Stationary-----	53,710	79	7,841	16	3,510	63	4,331	3	100	1,219	45,869	103	3,811
Mobile-----	42,501	591	32,321	3	134	588	32,187	12	405	195	10,180	4	113
California, total-----	6,130	45	2,127	-----	-----	45	2,127	7	125	148	4,003	-----	-----
Stationary-----	3,786	8	230	-----	-----	8	230	-----	-----	140	3,536	-----	-----
Mobile-----	2,364	37	1,897	-----	-----	37	1,897	7	125	8	487	-----	-----
Connecticut, total-----	16,529	157	8,064	1	130	156	7,954	-----	-----	178	8,445	15	620
Stationary-----	8,475	4	520	1	130	3	390	-----	-----	171	7,955	15	620
Mobile-----	8,054	153	7,564	-----	-----	153	7,564	-----	-----	7	490	-----	-----
Maryland, total-----	2,698	17	974	-----	-----	17	974	-----	-----	55	1,724	-----	-----
Stationary-----	1,724	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Mobile-----	974	17	974	-----	-----	-----	-----	-----	-----	55	1,724	-----	-----
Massachusetts, total-----	15,980	104	6,729	4	1,142	100	5,587	-----	-----	259	9,251	25	1,142
Stationary-----	7,770	3	1,100	3	1,100	-----	-----	-----	-----	172	6,670	24	1,100
Mobile-----	8,210	101	5,629	1	42	100	5,587	-----	-----	87	2,581	1	42
New Jersey, total-----	16,526	96	6,220	4	1,260	92	4,960	-----	-----	292	10,306	33	1,241
Stationary-----	10,463	12	1,987	4	1,260	8	727	-----	-----	249	8,476	32	1,201
Mobile-----	6,063	84	4,233	-----	-----	84	4,233	-----	-----	43	1,830	1	40
New York, total-----	8,564	31	2,397	1	85	30	2,312	-----	-----	170	6,167	-----	-----
Stationary-----	5,070	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Mobile-----	3,494	31	2,397	1	85	30	2,312	-----	-----	143	5,070	-----	-----
Oregon, total-----	4,801	66	4,163	4	377	62	3,786	3	100	21	638	14	346
Stationary-----	2,757	32	2,119	3	370	29	1,749	-----	-----	-----	658	12	315
Mobile-----	2,044	34	2,044	1	7	33	2,037	3	100	21	-----	2	31
Pennsylvania, total-----	14,250	78	2,573	-----	-----	78	2,573	2	80	212	11,677	-----	-----
Stationary-----	8,142	4	180	-----	-----	4	180	-----	-----	-----	189	7,962	-----
Mobile-----	6,108	74	2,393	-----	-----	74	2,393	2	80	23	3,715	-----	-----
Washington, total-----	4,667	44	3,988	2	300	42	3,688	1	95	7	679	11	295
Stationary-----	1,539	9	860	2	300	7	560	-----	-----	7	679	11	295
Mobile-----	3,128	35	3,128	-----	-----	35	3,128	1	95	-----	-----	-----	-----
Other States, total-----	6,066	32	2,907	3	350	29	2,557	2	105	72	3,159	9	280
Stationary-----	4,004	7	845	3	350	4	495	-----	-----	72	3,159	9	280
Mobile-----	2,062	25	2,062	-----	-----	25	2,062	2	105	-----	-----	-----	-----

¹For definition of the industry see tables 66 and 68, footnote 1.

BASALT

551

TABLE 75.—NUMBER OF POWER-LOADING MACHINES AT CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY TYPE, BY KIND OF POWER USED, BY SIZE, AND BY STATE: 1939¹

(For producing operations only)

TYPE, KIND OF POWER USED, AND SIZE	United States	California	Connecticut	Maryland	Massachusetts	New Jersey	New York	Oregon	Pennsylvania	Washington	Other States
Power shovels, total	196	16	45	7	31	36	9	15	21	9	7
Kind of power used:											
Steam	64	5	29		2	8	1	1	12	2	4
Electric	43	2	4		15	14	5	1	2		
Compressed air	2				2						
Internal-combustion engine	87	9	12	7	12	14	3	13	7	7	3
Dipper capacity (cu. yds.):											
Less than 3	184	16	45	7	28	36	7	11	21	9	4
3 to 5	12				3		2	4			3
Dragline excavators ²	6	2						3		1	
Scraper loaders, total ³	9					6	1	1	1		
Horsepower rating of hoist:											
10 to 25	7					5	1		1		
26 to 100	2					1		1			
Clamshell and orange-peel loaders, total	39	3	6	4	2	13			8		3
Kind of power used:											
Steam	15	1	3			4			5		2
Electric	5	2			1	1			1		
Internal-combustion engine	19		3	4	1	8			2		1
Cranes and hoists ³	4		3		1						
Other types, total ⁴	20	1	3		2	10	1	1	1	1	
Kind of power used:											
Electric	3	1				2			1	1	
Internal-combustion engine	17		3		2	8	1	1			

¹For definition of the industry see tables 66 and 68, footnote 1.

²Driven by internal-combustion engines and with bucket capacities of less than 3 cubic yards.

³Driven by internal-combustion engines.

⁴Represents 3 belt-type loaders and 17 bucket-type loaders.

TABLE 76.—SELECTED STATISTICS FOR INCORPORATED AND UNINCORPORATED OPERATING COMPANIES ENGAGED IN CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, BY STATE: 1939¹

(For producing operations only)

STATE	Number of operating companies	Number of quarries	Number of preparation plants	Production of basalt (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries
						Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members		
United States, total	97	116	115	9,801,339	\$9,632,305	2,198	1,886	278	34	\$2,452,274	\$651,293
Incorporated	63	75	74	8,648,940	8,545,296	1,844	1,612	232		2,160,915	607,580
Unincorporated	34	41	41	1,152,399	1,087,009	354	274	46	34	291,359	43,733
California, total	11	11	11	873,903	863,130	164	144	15	5	188,133	30,624
Incorporated	6	6	6	809,657	794,719	33	18	15		166,629	30,624
Unincorporated	5	5	5	64,246	68,411	131	126		5	21,504	
Connecticut ²	13	18	18	1,776,841	1,733,571	354	322	32		384,013	93,700
Maryland, total	4	6	6	233,714	280,912	116	105	13		86,144	24,356
Incorporated	3	5	5	233,714	280,912	118	105	13		86,144	24,356
Unincorporated	1	1	1								
Massachusetts ²	10	12	12	1,575,157	1,375,577	286	244	42		363,876	125,046
New Jersey, total	17	17	17	2,255,413	2,481,181	533	445	83	5	642,947	197,723
Incorporated	11	11	11	1,612,103	2,130,781	439	369	70		558,293	182,428
Unincorporated	6	6	6	343,310	350,400	94	76	13	5	84,654	15,295
New York ²	3	3	3	1,131,688	692,833	156	137	19		229,098	63,075
Oregon, total	16	22	21	482,074	404,085	130	98	21	11	104,971	13,582
Incorporated	3	3	2	52,775	49,558	21	18	3		19,374	1,860
Unincorporated	13	19	19	429,299	354,507	109	80	18	11	85,597	11,722
Pennsylvania, total	9	10	10	377,913	803,219	232	195	29	8	204,522	51,463
Incorporated	5	6	6	769,249	697,789	190	169	21		184,831	43,627
Unincorporated	4	4	4	108,664	105,430	42	26	8	8	19,691	7,856
Washington, total	9	9	9	440,824	378,316	108	94	9	5	124,676	18,231
Incorporated	4	4	4	254,924	197,029	45	39	4		56,908	9,671
Unincorporated	5	5	5	165,900	181,287	63	55	5	5	87,768	8,560
Other States, total	7	8	8	551,812	519,501	117	102	15		103,894	33,473
Incorporated	6	7	7	351,812	519,501	117	102	15		103,894	33,473
Unincorporated	1	1	1								

¹For definition of the industry see tables 66 and 68, footnote 1.

²All companies were incorporated.

TABLE 77.—SELECTED STATISTICS FOR CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, CLASSIFIED BY VALUE OF PRODUCTS AND BY STATE: 1939¹

(For producing operations only)

STATE AND VALUE OF PRODUCTS	Number of quarries	Number of preparation plants	Production of basalt (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	116	115	9,801,339	\$9,632,305	2,198	1,886	278	34	11	\$2,452,274	\$651,293
\$1 - \$19,999	35	34	419,539	349,781	197	146	29	22	7	136,483	24,659
\$20,000 - \$49,999	22	22	666,565	676,250	247	205	36	6	4	210,140	80,762
\$50,000 - \$99,999	27	27	2,018,276	1,887,017	457	393	59	5	---	492,362	139,747
\$100,000 - \$249,999	23	23	3,311,260	3,299,644	703	596	106	1	---	867,653	289,678
\$250,000 - \$499,999	6	6	3,385,699	3,419,613	594	546	48	---	---	745,616	106,447
\$500,000 - \$999,999	1	1	---	---	---	---	---	---	---	---	---
California, total	11	11	673,903	663,130	164	144	15	5	3	188,133	30,624
\$1 - \$19,999	5	5	---	---	---	---	---	---	---	---	---
\$20,000 - \$49,999	2	2	122,059	113,187	45	34	6	5	3	44,648	16,050
\$50,000 - \$99,999	2	2	---	---	---	---	---	---	---	---	---
\$100,000 - \$249,999	1	1	551,844	549,943	119	110	9	---	---	143,485	14,574
\$250,000 - \$499,999	1	1	---	---	---	---	---	---	---	---	---
Connecticut, total	18	18	1,778,841	1,733,571	354	322	32	---	---	384,013	93,700
\$20,000 - \$49,999	8	8	300,888	272,217	82	71	11	---	---	84,067	26,376
\$50,000 - \$99,999	4	4	273,950	287,242	68	61	7	---	---	73,505	17,912
\$100,000 - \$249,999	4	4	1,204,033	1,174,112	204	190	14	---	---	226,451	49,412
\$250,000 - \$499,999	2	2	---	---	---	---	---	---	---	---	---
Massachusetts, total	12	12	1,575,157	1,375,577	286	244	42	---	---	383,876	125,046
\$1 - \$19,999	1	1	---	---	---	---	---	---	---	---	---
\$20,000 - \$49,999	1	1	320,114	289,247	63	52	11	---	---	72,865	25,317
\$50,000 - \$99,999	3	3	---	---	---	---	---	---	---	---	---
\$100,000 - \$249,999	6	6	1,255,043	1,086,330	223	192	31	---	---	311,011	99,729
\$250,000 - \$499,999	1	1	---	---	---	---	---	---	---	---	---
New Jersey, total	17	17	2,255,413	2,481,181	533	445	83	5	1	642,947	197,723
\$1 - \$19,999	1	1	---	---	---	---	---	---	---	---	---
\$20,000 - \$49,999	2	2	64,385	68,327	28	21	5	2	1	26,105	11,737
\$50,000 - \$99,999	5	5	308,233	303,800	76	63	11	2	---	87,375	33,437
\$100,000 - \$249,999	6	6	984,123	935,005	203	162	40	1	---	256,335	92,109
\$250,000 - \$499,999	3	3	918,672	1,174,049	226	199	27	---	---	273,132	60,440
Oregon, total	22	21	482,074	404,065	130	98	21	11	3	104,971	13,582
\$1 - \$19,999	16	15	176,691	151,230	75	55	11	9	2	58,029	4,652
\$20,000 - \$49,999	3	3	305,383	252,835	55	43	10	2	1	46,942	8,930
\$50,000 - \$99,999	3	3	---	---	---	---	---	---	---	---	---
Pennsylvania, total	10	10	877,913	803,219	232	195	29	8	4	204,522	51,483
\$1 - \$19,999	4	4	56,962	50,919	38	25	8	5	3	15,468	7,339
\$20,000 - \$49,999	1	1	---	---	---	---	---	---	---	---	---
\$50,000 - \$99,999	2	2	820,951	752,300	194	170	21	3	1	189,054	44,144
\$100,000 - \$249,999	2	2	---	---	---	---	---	---	---	---	---
\$250,000 - \$499,999	1	1	---	---	---	---	---	---	---	---	---
Washington, total	9	9	440,824	378,316	108	94	9	5	---	124,676	18,231
\$1 - \$19,999	5	5	87,163	50,028	32	27	2	3	---	20,505	3,300
\$50,000 - \$99,999	4	4	343,661	328,288	76	67	7	2	---	104,171	14,931
Other States, total	17	17	1,717,214	1,793,246	391	344	47	---	---	419,136	120,304
\$1 - \$19,999	3	3	21,798	23,411	18	13	5	---	---	7,866	4,338
\$20,000 - \$49,999	5	5	114,634	154,853	88	77	11	---	---	59,797	23,392
\$50,000 - \$99,999	4	4	259,903	296,342	85	76	9	---	---	75,223	31,218
\$100,000 - \$249,999	4	4	---	---	---	---	---	---	---	---	---
\$500,000 - \$999,999	1	1	1,320,879	1,318,640	200	178	22	---	---	276,250	61,966

¹For definition of the industry see tables 86 and 88, footnote 1. Reports classified by value of products represent a single quarry, or a single quarry and a single preparation plant reported together.

TABLE 78.—SELECTED STATISTICS FOR CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, CLASSIFIED BY QUANTITY OF STONE PRODUCED AND BY STATE: 1939¹

(For producing operations only)

STATE AND TONS (2,000 POUNDS) OF BASALT	Number of quarries	Number of preparation plants	Production of basalt (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total	116	115	9,801,339	\$9,632,305	2,198	1,886	278	34	11	\$2,452,274	\$651,293
1,000 - 4,999	7	7	23,232	30,406	27	19	3	5	1	11,047	1,500
5,000 - 9,999	5	5	47,460	41,916	22	14	3	5	5	14,296	1,624
10,000 - 14,999	9	9	119,326	115,352	75	53	15	7	---	59,717	13,176
15,000 - 24,999	15	14	309,942	321,520	139	118	15	6	2	108,366	22,589
25,000 - 49,999	20	20	690,532	709,386	242	201	36	5	2	208,151	72,012
50,000 - 99,999	23	23	1,665,214	1,764,063	396	342	50	4	---	473,933	137,626
100,000 - 199,999	20	20	2,643,661	2,496,149	489	413	75	1	---	571,078	225,423
200,000 - 499,999	12	12	4,295,075	4,137,401	802	721	81	---	---	1,006,042	177,343
500,000 and over	1	1	---	---	---	---	---	---	---	---	---
Unclassified	4	4	8,667	14,112	6	5	---	1	1	3,644	---
California, total	11	11	673,903	663,130	164	144	15	5	3	188,133	30,624
1,000 - 4,999	1	1	---	---	---	---	---	---	---	---	---
5,000 - 9,999	2	2	21,711	26,189	8	5	---	3	2	4,121	---
10,000 - 14,999	1	1	---	---	---	---	---	---	---	---	---
15,000 - 24,999	2	2	100,348	86,998	37	29	6	2	1	40,527	16,050
25,000 - 49,999	1	1	---	---	---	---	---	---	---	---	---
50,000 - 99,999	1	1	---	---	---	---	---	---	---	---	---
100,000 - 199,999	2	2	551,844	549,943	119	110	9	---	---	143,485	14,574
200,000 - 499,999	1	1	---	---	---	---	---	---	---	---	---
Connecticut, total	18	18	1,778,841	1,733,571	354	322	32	---	---	384,013	93,700
15,000 - 24,999	1	1	---	---	---	---	---	---	---	---	---
25,000 - 49,999	6	6	240,641	249,761	61	53	8	---	---	67,451	15,596
50,000 - 99,999	3	3	426,724	432,599	121	106	15	---	---	127,612	42,682
100,000 - 199,999	6	6	1,111,476	1,061,211	172	163	9	---	---	188,950	35,422
200,000 - 499,999	2	2	---	---	---	---	---	---	---	---	---
Maryland, total	6	6	233,714	280,912	118	105	13	---	---	86,144	24,356
15,000 - 24,999	3	3	61,512	90,731	64	57	7	---	---	44,878	15,099
25,000 - 49,999	2	2	172,202	190,181	54	48	6	---	---	41,266	9,257
100,000 - 199,999	1	1	---	---	---	---	---	---	---	---	---
Massachusetts, total	12	12	1,575,157	1,375,577	286	244	42	---	---	383,876	125,046
5,000 - 9,999	1	1	---	---	---	---	---	---	---	---	---
25,000 - 49,999	1	1	263,617	300,661	74	64	10	---	---	99,131	37,116
50,000 - 99,999	3	3	---	---	---	---	---	---	---	---	---
100,000 - 199,999	4	4	557,580	470,695	83	69	14	---	---	110,097	52,069
200,000 - 499,999	3	3	753,960	604,221	129	111	18	---	---	174,648	35,661
New Jersey, total	17	17	2,255,413	2,481,181	533	445	63	5	1	642,947	197,723
1,000 - 4,999	1	1	---	---	---	---	---	---	---	---	---
25,000 - 49,999	3	3	113,885	125,927	49	37	9	3	1	43,129	17,019
50,000 - 99,999	5	5	358,464	348,176	75	63	11	1	---	96,348	35,415
100,000 - 199,999	4	4	847,094	877,829	134	107	26	1	---	159,127	65,236
200,000 - 499,999	4	4	1,135,970	1,329,249	275	238	37	---	---	345,543	80,053
Oregon, total	22	21	482,074	404,065	130	98	21	11	3	104,971	13,582
1,000 - 4,999	2	2	14,035	12,047	9	5	2	2	1	2,982	324
5,000 - 9,999	1	1	---	---	---	---	---	---	---	---	---
10,000 - 14,999	4	4	49,894	50,466	28	20	4	4	---	27,223	1,788
15,000 - 24,999	8	7	166,895	149,587	47	36	7	4	1	36,023	4,971
25,000 - 49,999	2	2	242,383	177,873	41	33	8	---	---	35,119	6,499
50,000 - 99,999	1	1	---	---	---	---	---	---	---	---	---
100,000 - 199,999	4	4	8,867	14,112	5	4	---	1	1	3,644	---
Unclassified	4	4	---	---	---	---	---	---	---	---	---
Pennsylvania, total	10	10	877,913	803,219	232	195	29	8	4	204,522	51,483
5,000 - 9,999	1	1	37,962	31,919	29	17	7	5	3	14,298	4,820
10,000 - 14,999	2	2	---	---	---	---	---	---	---	---	---
15,000 - 24,999	1	1	99,202	111,381	43	35	6	2	1	21,196	10,905
25,000 - 49,999	2	2	---	---	---	---	---	---	---	---	---
50,000 - 99,999	1	1	---	---	---	---	---	---	---	---	---
100,000 - 199,999	1	1	740,749	659,919	160	143	16	1	---	169,028	35,758
200,000 - 499,999	2	2	---	---	---	---	---	---	---	---	---
Washington, total	9	9	440,824	378,316	108	94	9	5	---	124,676	18,231
1,000 - 4,999	1	1	---	---	---	---	---	---	---	---	---
10,000 - 14,999	1	1	97,163	50,028	32	27	2	3	---	20,505	3,300
25,000 - 49,999	3	3	---	---	---	---	---	---	---	---	---
50,000 - 99,999	3	3	343,661	328,288	76	67	7	2	---	104,171	14,931
100,000 - 199,999	1	1	---	---	---	---	---	---	---	---	---
Other States, total	11	11	1,483,500	1,512,334	273	239	34	---	---	332,992	96,548
1,000 - 4,999	2	2	---	---	---	---	---	---	---	---	---
10,000 - 14,999	1	1	21,798	23,411	18	13	5	---	---	7,866	4,338
25,000 - 49,999	2	2	217,014	354,840	74	69	5	---	---	72,377	11,000
50,000 - 99,999	2	2	---	---	---	---	---	---	---	---	---
100,000 - 199,999	3	3	---	---	---	---	---	---	---	---	---
500,000 and over	1	1	1,244,688	1,134,083	161	157	24	---	---	252,749	81,210

¹For definition of the industry see tables 66 and 68, footnote 1. Reports classified by quantity of stone produced represent a single quarry, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports for which figures were not adequately reported for classification.

MINERAL INDUSTRIES

TABLE 79.—SELECTED STATISTICS FOR CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF WAGE EARNERS AND BY STATE: 1939¹

(For producing operations only)

STATE AND NUMBER OF WAGE EARNERS	Number of quarries	Number of preparation plants	Production of basalt (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total-----	116	115	9,801,339	\$9,632,305	2,198	1,686	278	34	11	\$2,452,274	\$651,293
1 - 5-----	25	24	330,575	303,011	115	78	22	15	5	78,518	19,956
6 - 20-----	60	60	3,687,448	3,573,114	838	703	117	18	6	871,487	292,449
21 - 50-----	20	20	3,286,590	3,180,666	727	626	100	1	-----	892,004	261,412
51 - 100-----	5	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
101 - 250-----	1	1	2,370,659	2,475,402	485	450	35	-----	-----	582,331	73,577
Unclassified-----	5	5	126,087	100,112	33	29	4	-----	-----	27,556	4,000
California, total-----	11	11	673,903	663,130	164	144	15	5	3	188,133	30,624
1 - 5-----	4	4	39,711	43,689	14	10	-----	4	2	-----	-----
6 - 20-----	5	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
21 - 50-----	1	1	634,192	619,441	150	134	15	1	1	175,695	30,624
51 - 100-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Connecticut, total-----	18	18	1,778,841	1,733,571	354	322	32	-----	-----	384,013	93,700
1 - 5-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
6 - 20-----	13	13	954,171	904,477	201	176	25	-----	-----	223,405	73,282
21 - 50-----	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
51 - 100-----	1	1	824,670	829,094	153	146	7	-----	-----	160,608	20,408
Unclassified-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Massachusetts, total-----	12	12	1,575,157	1,375,577	286	244	42	-----	-----	383,876	125,046
1 - 5-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
6 - 20-----	6	6	582,820	501,846	91	75	16	-----	-----	103,536	36,905
21 - 50-----	5	5	992,337	873,731	195	169	26	-----	-----	280,340	88,141
New Jersey, total-----	17	17	2,255,413	2,481,181	533	445	63	5	1	642,947	197,723
1 - 5-----	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
6 - 20-----	9	9	744,689	775,187	174	138	31	5	1	185,252	85,004
21 - 50-----	4	4	-----	-----	-----	-----	-----	-----	-----	-----	-----
51 - 100-----	2	2	1,510,724	1,705,994	359	307	52	-----	-----	457,695	114,719
Oregon, total-----	22	21	482,074	404,065	130	98	21	11	3	104,971	13,582
1 - 5-----	11	10	147,818	122,505	40	25	8	7	3	27,040	2,400
6 - 20-----	7	7	334,256	281,560	90	73	13	4	-----	77,931	11,182
Unclassified-----	4	4	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pennsylvania, total-----	10	10	877,913	803,219	232	195	29	8	4	204,522	51,493
1 - 5-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
6 - 20-----	5	5	142,164	140,380	61	41	12	8	4	26,903	13,015
21 - 50-----	3	3	-----	-----	-----	-----	-----	-----	-----	-----	-----
51 - 100-----	1	1	735,749	662,839	171	154	17	-----	-----	177,619	38,468
Other States, total-----	26	26	2,158,038	2,171,562	499	438	56	5	-----	543,812	139,135
1 - 5-----	5	5	52,447	40,542	28	21	6	1	-----	12,429	5,236
6 - 20-----	15	15	835,282	947,812	225	198	24	3	-----	233,568	71,315
21 - 50-----	5	5	-----	-----	-----	-----	-----	-----	-----	-----	-----
101 - 250-----	1	1	1,270,309	1,183,208	246	219	26	1	-----	297,815	62,582

¹ For definition of the industry see tables 66 and 68, footnote 1. Reports classified by average number of wage earners employed during the year represent a single quarry, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which number of wage earners, by month, was not adequately reported.

TABLE 80.—SELECTED STATISTICS FOR CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF HOURS PER WAGE EARNER IN THE FULL-TIME WORKWEEK, AND BY STATE: 1939¹

(For producing operations only)

STATE AND HOURS PER WEEK	Number of quarries	Number of preparation plants	Production of basalt (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	116	115	9,801,339	\$9,632,305	2,198	1,886	278	34	11	\$2,452,274	\$651,293
40	33	32	2,644,057	2,251,080	528	427	85	16	4	627,169	185,058
41 - 42	13	13	2,215,464	1,946,428	402	373	29	—	—	425,763	70,177
43 - 44	18	18	2,049,349	2,249,345	464	400	58	6	3	569,893	142,410
45 - 47	2	2	—	—	—	—	—	—	—	—	—
48	13	13	554,925	589,726	177	150	20	7	3	173,897	55,495
49 - 53	3	3	159,377	230,000	55	51	4	—	—	69,000	21,200
54 - 59	12	12	1,036,821	1,026,206	189	161	27	1	1	215,579	75,612
60 and over	4	4	245,740	303,215	75	61	14	—	—	77,511	36,980
Unclassified	18	18	895,826	1,056,295	308	263	41	4	—	293,872	84,323
California, total	11	11	673,903	663,130	164	144	15	5	3	189,133	30,624
40	5	5	218,601	149,809	40	33	4	3	1	45,565	12,320
43 - 44	3	3	422,979	474,202	107	98	9	—	—	124,718	14,574
48	1	1	—	—	—	—	—	—	—	—	—
54 - 59	1	1	32,323	39,119	17	13	2	2	2	17,850	3,730
Unclassified	1	1	—	—	—	—	—	—	—	—	—
Connecticut, total	18	18	1,778,841	1,733,571	354	322	32	—	—	384,013	93,700
41 - 42	3	3	734,900	655,956	124	120	4	—	—	121,462	14,578
48	3	3	174,038	147,576	51	46	5	—	—	56,185	13,821
54 - 59	6	6	719,496	766,023	141	121	20	—	—	165,792	51,221
60 and over	2	2	150,407	184,016	38	35	3	—	—	40,574	14,080
Unclassified	4	4	—	—	—	—	—	—	—	—	—
Massachusetts, total	12	12	1,575,157	1,375,577	286	244	42	—	—	383,876	125,046
40	4	4	483,943	410,378	105	85	20	—	—	132,336	70,122
41 - 42	3	3	533,091	455,548	88	62	6	—	—	85,958	14,517
43 - 44	1	1	—	—	—	—	—	—	—	—	—
45 - 47	1	1	—	—	—	—	—	—	—	—	—
49 - 53	1	1	556,123	511,651	113	97	16	—	—	165,602	40,407
54 - 59	1	1	—	—	—	—	—	—	—	—	—
Unclassified	2	2	—	—	—	—	—	—	—	—	—
New Jersey, total	17	17	2,255,413	2,481,181	533	445	65	5	1	642,947	197,723
40	3	3	349,048	311,713	78	61	15	2	—	95,365	22,173
43 - 44	5	5	1,073,881	1,171,020	224	190	34	—	—	277,564	97,053
45 - 47	1	1	—	—	—	—	—	—	—	—	—
48	4	4	232,772	239,329	66	53	10	3	1	86,525	15,542
54 - 59	2	2	599,712	759,119	165	141	24	—	—	201,463	62,955
Unclassified	2	2	—	—	—	—	—	—	—	—	—
Oregon, total	22	21	482,074	404,065	130	98	21	11	3	104,971	13,582
40	9	8	232,880	186,241	52	36	13	3	—	45,254	5,499
43 - 44	6	6	104,084	106,623	30	20	3	7	3	22,431	3,351
48	1	1	—	—	—	—	—	—	—	—	—
Unclassified	6	6	145,110	111,201	48	42	5	1	—	37,286	4,752
Pennsylvania, total	10	10	877,913	803,219	232	195	29	8	4	204,522	51,483
40	3	3	42,462	34,969	27	17	5	5	3	9,426	4,699
41 - 42	3	3	690,749	609,919	147	134	13	—	—	162,920	31,798
48	1	1	—	—	—	—	—	—	—	—	—
60 and over	1	1	144,702	158,331	58	44	11	3	1	32,176	14,986
Unclassified	2	2	—	—	—	—	—	—	—	—	—
Washington, total	9	9	440,824	378,316	108	94	9	5	—	124,676	18,231
40	4	4	255,951	256,588	69	59	7	3	—	88,090	14,551
41 - 42	1	1	—	—	—	—	—	—	—	—	—
43 - 44	1	1	184,873	121,728	39	35	2	2	—	36,596	3,650
48	1	1	—	—	—	—	—	—	—	—	—
Unclassified	2	2	—	—	—	—	—	—	—	—	—
Other States, total	17	17	1,717,214	1,733,246	391	344	47	—	—	419,136	120,904
40	5	5	1,061,152	901,392	156	135	21	—	—	211,143	55,652
41 - 42	3	3	—	—	—	—	—	—	—	—	—
43 - 44	2	2	385,956	543,366	124	113	11	—	—	124,595	24,083
48	2	2	—	—	—	—	—	—	—	—	—
45 - 53	2	2	—	—	—	—	—	—	—	—	—
54 - 59	1	1	—	—	—	—	—	—	—	—	—
60 and over	1	1	270,106	348,488	111	96	15	—	—	83,383	41,126
Unclassified	1	1	—	—	—	—	—	—	—	—	—

¹ For definition of the industry see tables 66 and 68, footnote 1. Reports were classified by number of hours in the full-time workweek reported for wage earners in that department of the operation for which the largest number of man-hours worked was reported. Statistics shown for "Unclassified" represent reports on which number of hours was not reported.

MINERAL INDUSTRIES

TABLE 81.—SELECTED STATISTICS FOR CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, CLASSIFIED BY NUMBER OF DAYS ACTIVE DURING THE YEAR: 1939¹

(For producing operations only)

NUMBER OF DAYS ACTIVE DURING YEAR	Number of quarries	Number of preparation plants	Production of basalt (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED					Wages	Salaries
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total	Performing manual labor		
United States, total	116	115	9,801,339	\$9,632,305	2,198	1,886	278	34	11	\$2,452,274	\$651,283
1 - 49	6	5	74,349	56,029	20	11	7	2	1	10,805	1,500
50 - 99	15	15	585,751	503,077	125	103	17	5	—	122,683	29,854
100 - 149	19	19	1,226,227	1,191,926	324	265	53	6	3	356,559	124,997
150 - 199	28	26	2,445,415	2,469,480	607	521	76	10	4	596,145	168,017
200 - 249	9	9	684,984	784,263	163	163	16	4	1	207,637	28,207
250 - 249	12	12	2,471,409	2,245,079	407	359	46	2	1	541,443	151,200
250 - 274	7	7	225,798	297,345	97	86	9	2	1	115,233	24,140
275 - 299	6	6	1,069,577	1,146,257	252	205	27	—	—	275,409	50,466
300 - 324	6	6	807,083	753,974	123	108	19	1	—	181,675	56,422
Unclassified	10	10	212,746	184,877	75	65	8	2	—	64,407	16,490

¹For definition of the industry see tables 66 and 68, footnote 1. Reports classified by number of days active represent a single quarry, or a single quarry and a single preparation plant reported together; such reports were classified by number of days the quarry was in operation for production or development purposes during the year. Statistics shown for "Unclassified" represent reports on which number of days active was not reported.

BASALT

557

TABLE 82.—SELECTED STATISTICS FOR CRUSHED AND BROKEN BASALT OPERATIONS IN THE UNITED STATES, CLASSIFIED BY OUTPUT PER MAN-HOUR AND BY STATE: 1939¹
(For producing operations only)

STATE AND TONS OF BASALT PER MAN-HOUR (tons of 2,000 pounds)	Number of quarries	Number of prepa- ration plants	Production of basalt (tons of 2,000 pounds)	Value of all products	NUMBER OF PERSONS ENGAGED				Wages	Salaries	
					Total	Wage earners (average for the year)	Salaried employees	Proprietors and firm members			
								Total			Performing manual labor
United States, total-----	116	115	9,801,339	\$9,632,305	2,198	1,886	278	34	11	\$2,452,274	\$651,285
0.40 - 0.59-----	2	2									
0.60 - 0.79-----	6	6	174,912	218,125	140	120	15	5	4	108,161	25,239
0.80 - 0.99-----	1	1									
1.00 - 1.49-----	12	12	550,494	791,583	228	198	24	6	1	247,332	56,859
1.50 - 1.99-----	14	14	1,146,207	1,338,308	322	297	22	3	1	393,289	44,293
2.00 - 2.49-----	19	19	1,739,648	1,805,412	433	364	62	7	3	475,920	164,454
2.50 - 2.99-----	11	11	1,362,305	1,195,545	288	243	41	4		313,688	91,446
3.00 - 6.99-----	36	36	4,466,365	3,916,822	658	550	100	6	1	756,504	242,322
7.00 and over-----	1	1									
Unclassified-----	14	14	541,408	564,510	131	114	14	3	1	117,380	26,681
California, total-----	11	11	673,903	663,130	164	144	15	5	3	188,133	30,624
1.50 - 1.99-----	3	3	269,006	268,772	63	58	3	2	1	73,599	780
2.00 - 2.49-----	1	1									
2.50 - 2.99-----	1	1									
3.00 - 6.99-----	4	4	404,897	364,358	101	86	12	3	2	114,534	29,844
Unclassified-----	2	2									
Connecticut, total-----	18	18	1,778,841	1,733,571	354	322	32			384,013	93,700
1.00 - 1.49-----	2	2									
1.50 - 1.99-----	6	6	472,945	499,639	139	124	15			153,359	40,218
2.00 - 2.49-----	1	1									
2.50 - 2.99-----	1	1									
3.00 - 6.99-----	6	6	1,305,896	1,233,932	215	198	17			230,654	53,482
Unclassified-----	2	2									
Maryland, total-----	6	6	233,714	280,912	118	105	13			86,144	24,356
0.40 - 0.59-----	2	2									
0.60 - 0.79-----	1	1	61,512	90,731	64	57	7			44,873	15,099
1.00 - 1.49-----	2	2									
2.00 - 2.49-----	1	1	172,202	190,181	54	48	6			41,266	9,257
Massachusetts, total-----	12	12	1,575,157	1,375,577	286	244	42			383,876	125,046
1.00 - 1.49-----	2	2									
2.00 - 2.49-----	3	3	809,172	721,223	191	161	30			265,260	98,508
2.50 - 2.99-----	2	2									
3.00 - 6.99-----	5	5	765,985	654,354	95	83	12			118,616	26,538
New Jersey, total-----	17	17	2,255,413	2,481,181	533	445	83	5	1	642,947	197,723
0.60 - 0.79-----	2	2									
1.00 - 1.49-----	1	1	624,192	683,975	202	185	15	2	1	248,296	25,000
1.50 - 1.99-----	2	2									
2.00 - 2.49-----	3	3	325,873	341,899	80	65	15			102,879	42,221
2.50 - 2.99-----	4	4	581,529	487,276	123	98	24	1		165,232	50,155
3.00 - 6.99-----	5	5	743,619	768,051	128	97	29	2		126,540	80,347
Oregon, total-----	22	21	462,074	404,065	130	98	21	11	3	104,971	13,582
0.60 - 0.99-----	1	1	59,273	56,338	37	28	3	6	1	36,336	2,252
1.00 - 1.49-----	4	4									
2.00 - 2.49-----	1	1	41,869	57,222	17	12	2	3	1	10,527	2,431
2.50 - 2.99-----	2	2									
3.00 - 6.99-----	7	7	250,622	188,354	37	24	12	1		30,150	4,899
7.00 and over-----	1	1									
Unclassified-----	6	6	130,510	102,151	39	34	4	1	1	27,958	4,000
Pennsylvania, total-----	10	10	877,913	803,219	232	195	29	8	4	204,522	51,483
0.60 - 0.79-----	2	2									
1.50 - 1.99-----	1	1	68,962	76,439	44	34	7	3	3	26,173	9,310
2.00 - 2.49-----	4	4	418,214	396,528	117	98	15	4	1	103,062	28,442
3.00 - 6.99-----	3	3	390,737	330,252	71	63	7	1		75,287	13,731
Washington, total-----	9	9	440,824	378,316	108	94	9	5		124,876	18,231
1.50 - 1.99-----	1	1									
2.00 - 2.49-----	1	1	169,741	166,892	52	45	5	2		59,713	7,080
2.50 - 2.99-----	1	1									
3.00 - 6.99-----	4	4									
Unclassified-----	2	2	271,083	211,424	56	49	4	3		64,963	11,171
Other States, total-----	11	11	1,483,500	1,512,334	273	239	34			332,992	96,548
0.60 - 0.79-----	1	1									
1.00 - 1.49-----	1	1	137,106	182,238	59	55	4			46,900	9,200
1.50 - 1.99-----	1	1									
2.00 - 2.49-----	4	4	313,364	456,326	72	61	11			80,868	35,939
3.00 - 6.99-----	2	2	1,033,030	873,270	142	123	19			205,224	51,409
Unclassified-----	2	2									

¹For definition of the industry see tables 66 and 68, footnote 1. Reports classified by output per man-hour represent a single quarry, or a single quarry and a single preparation plant reported together. Statistics shown for "Unclassified" represent reports on which figures were not adequately reported for classification.

TABLE 83.—PRINCIPAL STATISTICS FOR ROUGH-DIMENSION BASALT OPERATIONS IN THE UNITED STATES: 1939¹

ITEM	United States	ITEM	United States
Number of operating companies ² -----	4	Total number of man-shifts worked by wage earners-----	4,009
Number of quarries-----	4	Total number of man-hours worked by wage earners-----	35,706
Number of preparation plants (crushing, screening, washing, and storage)-----	1	Average number of hours worked per shift-----	8.9
Number of persons engaged, total ³ -----	28	Average hourly earning of wage earners-----	\$0.36
Wage earners (average for the year)-----	24	Tons of basalt produced per man-hour-----	0.579
Proprietors and firm members-----	4	Average number of equivalent full days operations were active, all quarries-----	174
Performing manual labor-----	3	Horsepower rating of power equipment, total-----	502
Production of basalt (tons of 2,000 pounds) ⁴ -----	20,681	Per wage earner-----	20.9
Value of all products ⁵ -----	\$25,914	Stationary equipment ⁷ -----	144
Principal expenses designated below, total ⁶ -----	\$20,839	Mobile equipment ⁸ -----	358
Wages-----	\$12,820	Fuels consumed: ⁹	
Supplies and materials-----	\$1,837	Bituminous coal (tons of 2,000 pounds)-----	200
Fuel-----	\$5,031	Gasoline and kerosene (gallons)-----	25,221
Purchased electric energy-----	\$1,121	Electric energy consumed (thousands of kw.-hrs.) ¹⁰ -----	56
Cost of buildings, machinery, and equipment erected or installed during year-----	\$1,709		
Buildings-----	\$35		
Machinery and equipment, total-----	\$1,674		
Purchased in new condition-----	\$700		
Purchased in used condition-----	\$974		

¹For definition of the industry see table 86, footnote 1. Tables 83 through 87 cover only those operations in the industry that were engaged principally in the production of rough-dimension basalt. Operations were located as follows: Oregon, 1 quarry; Pennsylvania, 2 quarries; Virginia, 1 quarry and 1 plant.

²All companies were unincorporated.

³No salaried employees were reported.

⁴All production was from open quarries.

⁵Represents value of basalt at quarries. No secondary products or receipts for services performed for others were reported.

⁶No expenditures for salaries or contract work were reported.

⁷Aggregate horsepower rating of engines, motors, etc. used for driving stationary or fixed equipment such as hoists, screens, crushers, compressors, etc.

⁸Aggregate horsepower rating of engines, motors, etc. used for driving mobile equipment such as power shovels, locomotives, trucks, tractors, churn drills, etc.

⁹No consumption of anthracite, fuel oils, or natural gas was reported.

¹⁰Represents purchased electric energy only. No electric energy generated by reporting companies was reported.

TABLE 84.—QUANTITY AND VALUE OF PRODUCTS OF ROUGH-DIMENSION BASALT OPERATIONS IN THE UNITED STATES, BY TYPE OF PRODUCT: 1939¹

ITEM	UNITED STATES		ITEM	UNITED STATES	
	Tons of 2,000 pounds	Value		Tons of 2,000 pounds	Value
All products, total-----	20,681	\$25,914	Dressed-dimension basalt, including sawed, cut and split stone, total-----	600	\$2,400
All basalt produced, total ² -----	20,681	25,914	For use in construction (walls, roofing, foundations, bridges, etc.)-----	200	600
Rough-dimension basalt, total-----	18,051	22,589	Flagging and floors or walkway slabs-----	400	1,800
For use in construction:			Rough blocks used to produce dressed-dimension basalt-----	605	825
Irregular-shaped stone for buildings, foundations, sea walls, bridges, etc.-----	16,075	19,624	Crushed, broken, and ground basalt ³ -----	2,025	2,500
Rubble (cellar foundations, retaining walls, and similar low-priced stone)-----	1,976	2,965			

¹For definition of the industry see tables 86 and 83, footnote 1.

²Represents the sum of "Rough-dimension basalt," "Rough blocks used to produce dressed dimension basalt," and "Crushed, broken, and ground basalt."

³All crushed, broken, and ground basalt was used for concrete and road metal.

TABLE 85.—NUMBER OF WAGE EARNERS AT ROUGH-DIMENSION BASALT OPERATIONS IN THE UNITED STATES, BY MONTH: 1939¹

MONTH	Number	MONTH	Number	MONTH	Number
Average-----	24	April-----	24	September-----	20
January-----	20	May-----	28	October-----	21
February-----	14	June-----	29	November-----	25
March-----	20	July-----	33	December-----	22
		August-----	28		

¹For definition of the industry see tables 86 and 83, footnote 1.

TABLE 86.—EMPLOYMENT AND WORKING TIME AT ROUGH-DIMENSION BASALT OPERATIONS IN THE UNITED STATES, BY DEPARTMENT: 1939¹

DEPARTMENT	United States	DEPARTMENT	United States
Average number of wage earners on active days, total-----	23	Number of man-shifts worked by wage earners on active days, total ² -----	4,002
At open quarries-----	19	At open quarries-----	3,618
At preparation plants-----	4	At preparation plants-----	380
Average number of equivalent full days operations were active-----	174	Number of man-hours worked by wage earners on active days, total ² -----	35,706
At open quarries-----	190	At open quarries-----	31,806
At preparation plants-----	98	At preparation plants-----	3,900

¹ For definition of the industry see tables 66 and 83, footnote 1. No employment was reported for underground departments or for surface shops and yards.
² All operations reported working only 1 shift. No man-shifts or man-hours worked on inactive days were reported.

TABLE 87.—NUMBER AND HORSEPOWER RATING OF PRIME MOVERS AND ELECTRIC MOTORS AT ROUGH-DIMENSION BASALT OPERATIONS IN THE UNITED STATES: 1939¹

TYPE OF EQUIPMENT	Aggregate horsepower	PRIME MOVERS ²		ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY ³	
		Number	Horsepower	Number	Horsepower
United States, total-----	502	8	458	2	44
Stationary-----	144	2	100	2	44
Mobile-----	358	6	358	-----	-----

¹ For definition of the industry see tables 66 and 83, footnote 1. Power-loading machines reported by the industry were 2 swing derricks and 1 belt conveyor.
² Represents prime movers not driving generators. No prime movers driving generators and no prime movers ordinarily idle were reported.
³ No electric motors driven by energy generated by reporting companies were reported.